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Long–Term Temperature Monitoring Program 1990: Scotia–Fundy and the Gulf of St. Lawrence

D.N. Gregory, E.Verge, and P. Langille

Physical and Chemical Sciences Branch
Scotia-Fundy Region
Department of Fisheries and Oceans

Bedford Institute of Oceanography
P.O. Box 1006
Dartmouth, Nova Scotia
Canada B2Y 4A2

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Les établissements des Sciences et levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports en décembre 1981. Une liste complète de ces publications figure dans le volume 39, Index des publications 1982, du *Journal canadien des sciences halieutiques et aquatiques*. La série actuelle a commencé avec la publication du rapport numéro 1 en janvier 1982.

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LONG-TERM TEMPERATURE MONITORING PROGRAM 1990:
SCOTIA-FUNDY AND THE GULF OF ST. LAWRENCE

by

D.N. Gregory, E. Verge, and P. Langille

Physical and Chemical Sciences
Scotia-Fundy Region
Department of Fisheries and Oceans

Bedford Institute of Oceanography
P.O. Box 1006
Dartmouth, Nova Scotia
Canada B2Y 4A2

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ABSTRACT

Gregory D.N., E. Verge, and P. Langille. 1991. Long-Term Temperature
Monitoring Program 1990: Scotia-Fundy and the Gulf of St. Lawrence.
Can. Data Rep. Hydrogr. Ocean Sci. No. 93: vi + 197 pp.

Daily mean sea temperatures and time-series plots of the temperatures measured at various depths in the Scotia-Fundy and Gulf of St. Lawrence areas from instruments recovered in 1990 are presented together with degree day calculations.

RESUME

Gregory D.N., E. Verge, and P. Langille. 1991. Long-Term Temperature
Monitoring Program 1990: Scotia-Fundy and the Gulf of St. Lawrence.
Can. Data Rep. Hydrogr. Ocean Sci. No. 93: vi + 197 pp.

On présente les moyennes quotidiennes de la température de l'eau de mer et des graphiques des températures mesurées à diverses profondeurs en fonction du temps (séries chronologiques) pour les régions de Scotia-Fundy et du golfe du Saint-Laurent. Les données ont été recueillies en 1990. On présente également les calculs des degrés-jours.

INTRODUCTION

Temperature data from coastal areas have been collected extensively from Newfoundland region since 1967 and Scotia-Fundy and Gulf of St. Lawrence since 1978. The program, referred to as the Long-Term Temperature Monitoring Program, is conducted mainly in support of various fisheries programs as well as to monitor any long term changes of temperature. Instrument calibration, maintenance and deployment is the individual responsibility of the region and is arranged through the Bedford Institute of Oceanography (Scotia-Fundy) or Institut Maurice LaMontagne. Data analysis and publication is carried out at the Bedford Institute of Oceanography. Previous reports in this series are listed in the bibliography.

The calibrated temperature data are incorporated into the thermograph data archive held by the Physical and Chemical Sciences Branch at the Bedford Institute. The data are available to any individual upon request from the Data Management Section of Physical and Chemical Sciences at BIO.

As was the case last year, only data from Scotia-Fundy, Gulf and Quebec regions are reported. The Physical and Chemical Sciences Branch in Newfoundland region is responsible for the collection and reporting of thermograph data in its region.

INSTRUMENTATION

The Ryan Thermograph Model J is the primary instrument for the Long Term Temperature Monitoring Program. When an instrument is returned from the field, the analogue record is removed, the start and stop time of data recorded and any problems noted. The instrument is then forwarded to the Data Analysis Section for processing. At regular intervals each thermograph is routed through the Coastal Oceanography instrument shop for calibration checks to maintain data integrity. Should maintenance of the thermograph be required, the instrument is sent to the local repair facility in Kentville, Nova Scotia.

A second instrument which is being phased into the program is the Hugrun Seamon temperature recorder model MS-100SH. The Hugren is a digitally recording instrument with a claimed accuracy and resolution of 0.1°C over the range of -5°C to +20°C. There were twelve separate Hugren deployments during 1990.

Various federal and provincial agencies and universities throughout Atlantic Canada are supplied with thermographs by BIO. The thermographs are started prior to delivery and then dispatched in a condition ready for immediate mooring. The requirement that field attendants do not open the thermograph case has effectively reduced the instrument failure rate due to flooding.

A group of selected attendants throughout Scotia-Fundy region are contracted by BIO. The Gulf and Quebec regions maintain their own system for arranging deployments. It is the responsibility of an attendant to moor the thermograph at a pre-selected site, inspect the mooring during the mooring period and recover the thermograph according to schedule. Mooring configurations are generally modified to meet local conditions. The thermographs are returned to BIO as soon as practicable after recovery has taken place.

CALIBRATIONS

Calibrations of Ryan recorders are carried out in the Coastal Oceanography instrument shop at the Bedford Institute.

The complete thermograph is submerged in an 180 litre insulated bath containing seawater. Temperature is controlled with a Neslab HX75 refrigerated recirculating heat exchanger connected to 12 metres of coiled stainless steel tubing at the bottom of the bath. Circulation is accomplished with the use of an upward facing submersible pump also placed at the bottom of the bath. Temperature is monitored using a Guildline 9535 platinum resistance thermometer. The complete system is stable to 0.05°C/day.

Up to 14 thermographs can be calibrated at one time. Once the bath has equilibrated, sufficient time is allowed for the chart paper to advance. The instruments are subjected to nominal temperatures of 20, 15, 10, 5 and -1°C.

STATION DESIGNATIONS

To standardize the method of station identification, the Unit Areas defined by the Department of Fisheries and Oceans have been adopted. A chart of these areas is shown in Fig. 1. The data in this report are organized by Unit Area and sequenced alpha/numerically.

Individual stations in each region are established in numerical sequence of data processing. Gulf of St. Lawrence deployments start with station number 100. Scotia-Fundy begins at station number 400.

DATA PRESENTATION

General

All Ryan data were digitized using a 36" digitizing tablet with a resolution of 0.001". Digitized values are averaged over a four hour sampling interval and interpolated to the mid-point of the sample. Hugrun data are sampled at thirty minute intervals and averaged over four hours.

Although present values are reported to the nearest 0.1°C, the 0.5°C accuracy maintained for previous reports still applies.

The report primarily contains data from instruments recovered in 1989, however, previously unreported data from other years are also included.

Time Series Plots

The complete data sets are presented as time series plots on a scale of 4 months/plot. Both Julian and Gregorian dates are presented to facilitate analysis.

A station location map is also provided with each plot. The station location appears as a solid circle in the Unit Area.

Some of the plots include comments when some irregularity was noted with the instrument. In most cases, the comments are intended to draw attention to a lack of confidence in the data, although the cause of the errors (or even if the data are in error) may not be known.

Mean Daily Temperature

Mean daily temperature, 0°C and 4°C "degree-days" are listed adjacent to the corresponding temperature time-series plots. The "degree-days" are the daily accumulation of degrees above the specified reference temperature. Note that when a reading is less than the reference temperature, the accumulated degree days are not decremented.

Monthly Degree Day Tables

Monthly degree calculations relative to 0°C are presented in Table 2. This table presents monthly calculations for time series, month and year contained in the report. No calculations are made for months containing less than 15 days data. Incomplete months with more than 15 days data are extrapolated to the full month. Note that the table listings are alphabetical.

SUMMARY OF DATA RETURNS

	S-F	Gulf[2]
Deployments during 1990	78	
Useful Recoveries[1] during 1990	58	25
Returned unused	0	0
Returned with no useful data	4	1
In the field - to be reported in 1992	34	

Data Summary for 1989

	S-F	Gulf[2]
Recoveries in 1990[1] (days)	7751	2913
Average deployment length for 1990[1] (days)	134	117

[1] Includes instruments deployed in 1989 and recovered in 1990.

[2] Gulf Region is responsible for their own deployments and recoveries. The reported statistics are based on data received.

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TABLE 1

SUMMARY OF SCOTIA-FUNDY TEMPERATURE DATA RECOVERED IN 1982

AREA	STA	NAME	SERIAL	DEPTH	LAT	LONG	START	END	DAYS
4XQ	452	ARGYLE S NS	60910	7.0	43.75	65.88	20/ 8/82	15/11/82	87

SUMMARY OF SCOTIA-FUNDY TEMPERATURE DATA RECOVERED IN 1983

AREA	STA	NAME	SERIAL	DEPTH	LAT	LONG	START	END	DAYS
4XQ	453	ARGYLE S NS	60910	7.0	43.75	65.88	16/11/82	22/ 1/83	67

SUMMARY OF SCOTIA-FUNDY TEMPERATURE DATA RECOVERED IN 1984

AREA	STA	NAME	SERIAL	DEPTH	LAT	LONG	START	END	DAYS
4XO	424	DUCK ISLAND NS	62921	16.0	43.40	65.76	8/ 6/84	1/11/84	146

SUMMARY OF SCOTIA-FUNDY TEMPERATURE DATA RECOVERED IN 1989

AREA	STA	NAME	SERIAL	DEPTH	LAT	LONG	START	END	DAYS
4XM	411	ST MARGARETS BAY NS (OUTER)	62542	3.0	44.53	63.95	8/11/89	30/11/89	21
4XM	412	ST MARGARETS BAY NS (OUTER)	62911	12.0	44.53	63.95	8/11/89	30/11/89	22
4XO	403	PUBNICO HARBOUR NS (DFO HFX)	61523	5.0	43.58	65.80	21/ 6/89	20/10/89	121
4XO	404	WOODS HARBOUR NS (DFO HFX)	60860	1.0	43.55	65.74	10/ 8/89	18/12/89	129

SUMMARY OF SCOTIA-FUNDY TEMPERATURE DATA RECOVERED IN 1990

AREA	STA	NAME	SERIAL	DEPTH	LAT	LONG	START	END	DAYS
4WD	461	WHITEHAVEN HBR NS (OUTER)	4395	11.0	45.27	61.16	9/11/89	8/ 4/90	150
4WD	462	WHITEHAVEN HBR NS (INNER)	4397	5.0	45.29	61.17	9/11/89	9/ 5/90	180
4WD	463	WHITEHAVEN HBR NS (INNER)	4393	3.0	45.29	61.17	9/11/89	30/ 4/90	171
4WD	465	WHITEHAVEN HBR NS (INNER)	4394	3.0	45.29	61.17	9/ 5/90	8/11/90	182
4WD	428	LITTLE HARBOUR NS	61523	.0	45.58	60.75	13/ 6/90	13/ 7/90	29
4WD	436	WHITEHAVEN HBR NS (OUTER)	62497	3.0	45.27	61.16	9/ 5/90	8/11/90	182
4WD	437	WHITEHAVEN HBR NS (OUTER)	62542	11.0	45.27	61.16	9/ 5/90	8/11/90	182
4WD	445	CANSO NS	62899	17.0	45.35	60.95	5/ 7/90	22/10/90	109
4WD	446	CANSO NS	62899	17.0	45.35	60.95	15/ 5/90	4/ 7/90	49
4WD	464	WHITEHAVEN HBR NS (INNER)	4391	5.0	45.29	61.17	9/ 5/90	8/11/90	182
4WK	455	SHIP HARBOUR NS (INNER)	4394	2.0	44.81	62.86	6/11/89	10/ 4/90	155
4WK	456	SHIP HARBOUR NS (INNER)	4391	10.0	44.81	62.86	6/11/89	15/ 3/90	129
4WK	457	SHIP HARBOUR NS (INNER)	4399	3.0	44.81	62.86	26/ 4/90	6/11/90	193
4WK	458	SHIP HARBOUR NS (INNER)	4398	12.0	44.81	62.86	26/ 4/90	6/11/90	193
4WK	409	SHIP HARBOUR NS (OUTER)	63297	3.0	44.76	62.79	6/11/89	26/ 4/90	170
4WK	410	SHIP HARBOUR NS (OUTER)	60916	9.0	44.76	62.79	6/11/89	26/ 4/90	170
4WK	414	BIO MARINA (DARTMOUTH) NS	63335	2.0	44.70	63.61	19/10/89	17/ 4/90	180
4WK	417	BIO MARINA (DARTMOUTH) NS	63299	2.0	44.70	63.61	17/ 4/90	23/10/90	189

TABLE 1

SUMMARY OF SCOTIA-FUNDY TEMPERATURE DATA RECOVERED IN 1990

AREA	STA	NAME	SERIAL	DEPTH	LAT	LONG	START	END	DAYS
4WK	421	PORT BICKERTON NS	60990	4.0	45.05	61.75	28/10/89	9/ 4/90	162
4WK	422	PORT BICKERTON NS	63366	22.0	45.05	61.75	15/11/89	9/ 4/90	144
4WK	423	PORT BICKERTON NS	63294	11.0	45.05	61.75	15/11/89	9/ 4/90	144
4WK	431	PORT BICKERTON NS	64477	4.0	45.05	61.75	17/ 4/90	7/ 8/90	112
4WK	432	PORT BICKERTON NS	63295	11.0	45.05	61.75	17/ 4/90	4/10/90	169
4WK	433	PORT BICKERTON NS	63290	22.0	45.05	61.75	17/ 4/90	4/10/90	169
4XM	459	ST MARGARETS BAY NS (INNER)	4399	2.0	44.60	63.94	8/11/89	18/ 3/90	129
4XM	460	ST MARGARETS BAY NS (INNER)	4398	9.0	44.60	63.94	8/11/89	20/ 4/90	162
4XM	418	NORTH WEST COVE NS	62899	9.0	41.52	64.00	26/ 9/89	9/ 2/90	135
4XM	419	NORTH WEST COVE NS	63258	36.0	41.52	64.00	26/ 9/89	14/ 2/90	140
4XM	420	NORTH WEST COVE NS	63374	18.0	41.52	64.00	26/ 9/89	31/ 1/90	127
4XM	426	INDIAN PT NS	63297	9.0	44.64	63.94	19/ 7/90	6/ 8/90	17
4XM	427	KITTY SHOAL NS	63297	13.0	44.46	63.79	9/ 6/90	20/ 6/90	11
4XM	430	BIG THRUM CAP NS	63325	13.0	43.59	63.95	9/ 6/90	21/ 9/90	104
4XM	434	ST MARGARETS BAY NS (OUTER)	62482	3.0	44.53	63.95	25/ 4/90	17/10/90	175
4XM	435	ST MARGARETS BAY NS (OUTER)	61612	12.0	44.53	63.95	25/ 4/90	15/10/90	173
4XO	415	CAPE SABLE IS NS	63348	40.0	43.22	65.55	13/ 1/90	23/ 5/90	130
4XO	416	CAPE SABLE IS NS	62471	20.0	43.42	65.55	13/ 1/90	26/ 5/90	132
4XO	450	CAPE SABLE IS NS	60914	20.0	43.42	65.55	24/ 6/90	11/12/90	170
4XO	451	CAPE SABLE IS NS	63320	10.0	43.44	65.50	23/ 6/90	8/12/90	167
4XQ	401	LOBSTER BAY NS (DFO HFX)	62592	20.0	43.60	65.83	25/ 4/90	13/ 6/90	49
4XQ	402	LOBSTER BAY NS (DFO HFX)	63281	20.0	43.60	65.83	11/12/89	28/ 3/90	107
4XQ	425	SANDFORD NS	63325	28.0	43.93	66.18	2/10/89	16/ 2/90	136
4XQ	443	BOARD ISLANDS NS	63294	12.0	43.73	65.86	13/ 6/90	10/ 9/90	88
4XQ	444	BOARD ISLANDS NS	60860	11.0	43.74	65.86	10/ 9/90	22/11/90	72
4XQ	447	PUBNICO PT NS	63294	20.0	43.60	65.83	10/ 9/90	1/12/90	81
4XR	449	DELAPS COVE NS	63370	45.0	44.78	65.63	1/ 5/90	27/10/90	179
4XR	454	ANNAPOLIS BASIN NS	4396	3.0	44.65	65.74	31/ 1/90	1/ 3/90	28
4XS	405	BRANDY COVE NB	63314	10.0	45.08	67.09	27/11/89	24/ 2/90	89
4XS	406	BRANDY COVE NB	64137	4.0	45.08	67.09	27/11/89	3/ 5/90	156
4XS	407	DEADMAN HARBOUR NB	60908	14.0	45.04	66.78	27/11/89	2/ 5/90	155
4XS	408	DEADMAN HARBOUR NB	62497	14.0	45.04	66.78	27/11/89	3/ 5/90	156
4XS	413	ST ANDREWS NB	62491	.0	45.08	67.03	15/11/89	12/ 5/90	178
4XS	438	LETANG HARBOUR NB	64172	13.0	45.06	66.83	19/ 7/90	28/11/90	132
4XS	439	LETANG HARBOUR NB	62905	5.0	45.06	66.83	19/ 7/90	10/10/90	82
4XS	440	BRANDY COVE NB	62468	4.0	45.08	67.09	4/ 5/90	7/ 8/90	96
4XS	441	DEADMAN HARBOUR NB	62910	4.0	45.04	66.78	4/ 5/90	31/ 8/90	119
4XS	442	DEADMAN HARBOUR NB	60916	12.0	45.04	66.78	3/ 5/90	12/11/90	192
4XS	448	ST ANDREWS NB	63366	.0	45.08	67.03	24/ 5/90	15/11/90	174
429	4XO	PUBNICO NS	63318	9.0	43.56	65.80	13/ 6/90	28/ 6/90	15

TABLE 1

SUMMARY OF GULF TEMPERATURE DATA RECOVERED IN 1988

AREA	STA	NAME	SERIAL	DEPTH	LAT	LONG	START	END	DAYS
4TF	117	GRANDE ENTREE PQ	64079	2.0	47.56	61.53	29/ 4/88	31/10/88	184
4TF	116	ILE D'ENTREE PQ	62906	.0	47.27	61.70	13/ 5/88	14/ 9/88	123
4TP	123	LES ESCOUMINS PQ	63913	10.0	48.53	69.70	4/ 5/88	14/10/88	162

SUMMARY OF GULF TEMPERATURE DATA RECOVERED IN 1989

AREA	STA	NAME	SERIAL	DEPTH	LAT	LONG	START	END	DAYS
4SV	101	BAIE BUSSIERE PQ	63346	10.0	50.35	59.85	6/ 7/89	10/10/89	96
4SV	102	BAIE BUSSIERE PQ	63318	5.0	50.35	59.85	6/ 7/89	10/10/89	96
4SV	103	BAIE BUSSIERE PQ	64172	10.0	50.35	59.85	6/ 7/89	10/10/89	95
4SV	104	BAIE BUSSIERE PQ	64174	5.0	50.35	59.85	6/ 7/89	10/10/89	96
4SV	106	BAIE BUSSIERE PQ	62893	5.0	50.35	59.85	10/10/89	7/11/89	28

SUMMARY OF GULF TEMPERATURE DATA RECOVERED IN 1990

AREA	STA	NAME	SERIAL	DEPTH	LAT	LONG	START	END	DAYS
4SV	105	BAIE BUSSIERE PQ	63311	10.0	50.35	59.85	10/10/89	4/ 4/90	176
4SV	107	BAIE BUSSIERE PQ	62489	5.0	50.35	59.85	10/10/89	23/ 3/90	164
4SV	108	BAIE BUSSIERE PQ	63334	10.0	50.35	59.85	10/10/89	31/ 3/90	171
4SV	111	BAIE BUSSIERE PQ	63545	5.0	50.35	59.85	9/ 6/90	1/ 9/90	84
4SV	113	BAIE BUSSIERE PQ	63761	5.0	50.35	59.85	9/ 6/90	16/ 9/90	99
4SV	114	BAIE BUSSIERE PQ	63920	10.0	50.35	59.85	9/ 6/90	16/ 9/90	99
4SY	125	CAP AU CORBEAU PQ (LAVAL U)	63342	10.0	50.20	63.60	12/ 6/90	22/ 7/90	39
4SY	126	ILE AU FANTOME PQ (LAVAL U)	63342	33.0	50.20	63.70	23/ 7/90	21/ 8/90	29
4TF	118	GROSSE ILE PQ	63439	2.0	47.60	61.50	4/ 6/90	22/11/90	171
4TF	119	GRANDE ENTREE PQ	63807	2.0	47.60	61.50	8/ 6/90	16/11/90	160
4TF	120	GRANDE ENTREE PQ	62862	2.0	47.50	61.60	28/ 6/90	19/ 7/90	20
4TF	121	GRANDE ENTREE PQ	62862	2.0	47.50	61.60	24/ 7/90	21/11/90	120
4TF	122	HAVRE AUBERT PQ	61672	2.0	47.20	61.90	12/ 6/90	8/11/90	148
4TG	115	SAVAGE HBR PEI	64158	.0	46.46	62.85	3/ 7/90	12/10/90	100
4TL	109	ALBERTON PEI	64078	20.0	46.83	64.05	18/ 5/90	26/ 9/90	130
4TL	110	ALBERTON PEI	63813	.0	46.83	64.05	18/ 5/90	26/ 9/90	130
4TP	124	ST IRENE PQ (IML)	61526	.0	47.60	70.20	6/ 9/90	31/10/90	54

TABLE 2

SCOTIA-FUNDY MONTHLY DEGREE DAYS REFERENCED TO 0 DEG C FOR 82 (* INDICATES EXTRAPOLATED MONTH)

	DEPTH	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
ARGYLE S NS	7.0									405.3	317.4		
ARGYLE S NS	7.0											150.4*	65.1

SCOTIA-FUNDY MONTHLY DEGREE DAYS REFERENCED TO 0 DEG C FOR 83 (* INDICATES EXTRAPOLATED MONTH)

	DEPTH	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
ARGYLE S NS	7.0	10.1*											

SCOTIA-FUNDY MONTHLY DEGREE DAYS REFERENCED TO 0 DEG C FOR 84 (* INDICATES EXTRAPOLATED MONTH)

	DEPTH	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
DUCK ISLAND NS	16.0						320.1*	363.6	414.1	409.1	386.0		

SCOTIA-FUNDY MONTHLY DEGREE DAYS REFERENCED TO 0 DEG C FOR 89 (* INDICATES EXTRAPOLATED MONTH)

	DEPTH	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
BIO MARINA (DARTMOUTH) NS	2.0											224.4	40.8
BRANDY COVE NB	10.0												71.2
BRANDY COVE NB	4.0												50.0
DEADMAN HARBOUR NB	14.0												82.2
DEADMAN HARBOUR NB	14.0												80.8
LOBSTER BAY NS (DFO HFX)	20.0												20.7*
NORTH WEST COVE NS	9.0										244.4	239.6	84.0
NORTH WEST COVE NS	36.0										222.1	223.8	99.3
NORTH WEST COVE NS	18.0										192.8	194.6	63.3
PORT BICKERTON NS	4.0											213.9	21.4
PORT BICKERTON NS	11.0											161.7*	38.6
PORT BICKERTON NS	22.0											167.4*	62.6
PUBNICO HARBOUR NS (DFO)	5.0							508.7	532.9	466.2	358.9*		
SANDFORD NS	28.0										328.6*	248.9	56.5
SHIP HARBOUR NS (INNER)	10.0											208.9*	75.3
SHIP HARBOUR NS (OUTER)	3.0											203.7*	22.0
SHIP HARBOUR NS (INNER)	2.0											245.5*	51.3
SHIP HARBOUR NS (OUTER)	9.0											193.6*	28.1
ST ANDREWS NB	.0											202.6*	66.4
ST MARGARETS BAY NS	2.0											246.3*	68.4
ST MARGARETS BAY NS	3.0											236.5*	
ST MARGARETS BAY NS	9.0											234.5*	77.2
ST MARGARETS BAY NS	12.0											226.9*	
WHITEHAVEN HBR NS (OUTER)	11.0											227.0*	47.1
WHITEHAVEN HBR NS (INNER)	3.0											253.0*	54.1
WHITEHAVEN HBR NS (INNER)	5.0											251.1*	55.6
WOODS HARBOUR NS (DFO HFX)	1.0								424.9*	412.8	327.9	227.4	21.3*

TABLE 2

SCOTIA-FUNDY MONTHLY DEGREE DAYS REFERENCED TO 0 DEG C FOR 90 (* INDICATES EXTRAPOLATED MONTH)

	DEPTH	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
ANNAPOLIS BASIN NS	3.0		58.9										
BIG THRUM CAP NS	13.0						220.5*	239.4	444.1	538.3*			
BIO MARINA (DARTMOUTH) NS	2.0					186.6	338.8	430.4	580.7	524.4	465.2*		
BIO MARINA (DARTMOUTH) NS	2.0	9.8	1.9	19.0	69.0*								
BOARD ISLANDS NS	12.0						357.7*	455.1	514.2				
BOARD ISLANDS NS	11.0									472.9*	425.5	218.3*	
BRANDY COVE NB	10.0	24.7	18.0*										
BRANDY COVE NB	4.0					177.8*	239.8	350.1					
BRANDY COVE NB	4.0	11.5	4.4	16.3	68.8								
CANSO NS	17.0							294.9*	426.3	477.0	443.1*		
CANSO NS	17.0					111.1*	163.8						
CAPE SABLE IS NS	20.0	21.6*	17.0	37.3	81.1	168.1*							
CAPE SABLE IS NS	20.0							284.4	410.7	455.3	382.6	175.1	
CAPE SABLE IS NS	40.0	.0*	.0	16.2	67.5	176.6*							
CAPE SABLE IS NS	10.0							240.4	378.2	456.1	277.2	199.6	
DEADMAN HARBOUR NB	14.0	46.2	11.4	7.5	37.2								
DEADMAN HARBOUR NB	4.0					154.5*	229.0	323.3	454.5*				
DEADMAN HARBOUR NB	14.0	52.8	15.2	15.1	40.6	5.8*							
DEADMAN HARBOUR NB	12.0					124.7*	182.2	266.9	342.6	356.6	351.3		
DELAPS COVE NS	45.0					288.5	271.7	350.2	397.2	397.4	422.7*		
INDIAN PT NS	9.0												
KITTY SHOAL NS	13.0												
LETANG HARBOUR NB	13.0								357.5	366.0	344.5	262.9*	
LETANG HARBOUR NB	5.0								372.1	389.8			
LITTLE HARBOUR NS	.0						290.0*						
LOBSTER BAY NS (DFO HFX)	20.0					180.4							
LOBSTER BAY NS (DFO HFX)	20.0	13.1	17.9	48.0*									
NORTH WEST COVE NS	36.0	24.2											
NORTH WEST COVE NS	9.0	10.9											
NORTH WEST COVE NS	18.0	.0*											
PORT BICKERTON NS	22.0					87.4	139.9	181.7	316.1	397.7			
PORT BICKERTON NS	4.0	.0	.0	1.4									
PORT BICKERTON NS	4.0					128.9	210.9	312.8					
PORT BICKERTON NS	11.0	.0	.0	.0									
PORT BICKERTON NS	11.0					107.4	175.4	280.2	410.9	473.7			
PORT BICKERTON NS	22.0	2.9	.0	.0									
PUBNICO NS	9.0						295.9*						
PUBNICO PT NS	20.0									457.1*	421.3	233.3	
SANDFORD NS	28.0	.0	.1*										
SHIP HARBOUR NS (OUTER)	9.0	.0	.0	1.9	11.7*								
SHIP HARBOUR NS (INNER)	10.0	27.0	10.3										
SHIP HARBOUR NS (OUTER)	3.0	.0	.0	5.0	33.6*								
SHIP HARBOUR NS (INNER)	12.0					48.4	100.9	153.2	201.7	240.5	240.4		
SHIP HARBOUR NS (INNER)	2.0	3.3	1.1	13.2									
SHIP HARBOUR NS (INNER)	3.0					136.7	198.3	274.2	430.7	401.5	347.7		
ST ANDREWS NB	.0	20.8	6.7	24.2	93.2								
ST ANDREWS NB	.0						287.8	360.4	433.5	392.9	348.1		
ST MARGARETS BAY NS	9.0	7.9	.7	20.8	54.6*								
ST MARGARETS BAY NS	12.0					96.9	177.9	270.6	382.3	400.9			
ST MARGARETS BAY NS	2.0	6.5	1.2	14.2*									
ST MARGARETS BAY NS	3.0					186.7	252.6	347.9	524.9	513.6	442.6*		
WHITEHAVEN HBR NS (INNER)	3.0					158.3*	268.7	424.1	580.6	543.3	422.0		
WHITEHAVEN HBR NS (OUTER)	11.0					65.7*	135.5	227.0	386.4	471.2	355.6		
WHITEHAVEN HBR NS (INNER)	3.0	.0	.0	.0	48.9*								
WHITEHAVEN HBR NS (OUTER)	3.0					72.3*	191.0	368.7	535.7	512.4	378.6		
WHITEHAVEN HBR NS (OUTER)	11.0	.1	.0	.0									
WHITEHAVEN HBR NS (INNER)	5.0	.0	.0	.0	24.6								
WHITEHAVEN HBR NS (INNER)	5.0					133.8*	210.6	344.4	478.8	528.4	414.3		

TABLE 2

GULF MONTHLY DEGREE DAYS REFERENCED TO 0 DEG C FOR 88 (* INDICATES EXTRAPOLATED MONTH)

	DEPTH	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
GRANDE ENTREE PQ	2.0					330.2	490.6	617.5	488.5	284.6	177.0*		
ILE D'ENTREE PQ	.0					172.7*	248.6	429.9	539.6				
LES ESCOUMINS PQ	10.0					178.8*	182.8	232.2	151.0	100.0			

GULF MONTHLY DEGREE DAYS REFERENCED TO 0 DEG C FOR 89 (* INDICATES EXTRAPOLATED MONTH)

	DEPTH	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
BAIE BUSSIERE PQ	10.0							152.6*	215.8	179.6			
BAIE BUSSIERE PQ	10.0										128.6*	74.1	.5
BAIE BUSSIERE PQ	10.0										140.2*	96.1	2.4
BAIE BUSSIERE PQ	10.0							206.7*	257.3	229.2			
BAIE BUSSIERE PQ	5.0										135.3*		
BAIE BUSSIERE PQ	5.0							228.5*	283.7	235.3			
BAIE BUSSIERE PQ	5.0										114.1*	55.5	.0
BAIE BUSSIERE PQ	5.0							193.2*	254.5	209.0			

GULF MONTHLY DEGREE DAYS REFERENCED TO 0 DEG C FOR 90 (* INDICATES EXTRAPOLATED MONTH)

	DEPTH	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
ALBERTON PEI	.0						315.4	524.2	589.8	538.3*			
ALBERTON PEI	20.0						186.8	322.7	400.2	389.0*			
BAIE BUSSIERE PQ	10.0	.0	.0	.0									
BAIE BUSSIERE PQ	5.0						77.2*	195.0	245.8				
BAIE BUSSIERE PQ	5.0	.0	.0	.0*									
BAIE BUSSIERE PQ	5.0						65.1*	183.0	249.0				
BAIE BUSSIERE PQ	10.0	.0	.0	.0*									
BAIE BUSSIERE PQ	10.0						24.8*	89.2	179.5				
CAP AU CORBEAU PQ (LAVAL)	10.0						166.8*	183.4*					
GRANDE ENTREE PQ	2.0						394.3*	546.1	689.1	489.3	332.1	123.8*	
GRANDE ENTREE PQ	2.0								621.2	488.2	354.3	137.9*	
GRANDE ENTREE PQ	2.0							540.7*					
GROSSE ILE PQ	2.0						432.9*	584.6	666.6	407.7	347.9	120.1*	
HAVRE AUBERT PQ	2.0						453.5*	590.2	636.1	477.0	316.7		
ILE AU FANTOME PQ (LAVAL)	33.0								236.3*				
SAVAGE HBR PEI	.0							433.2*	510.9	401.4			
ST IRENE PQ (IML)	.0									225.4*	192.3*		

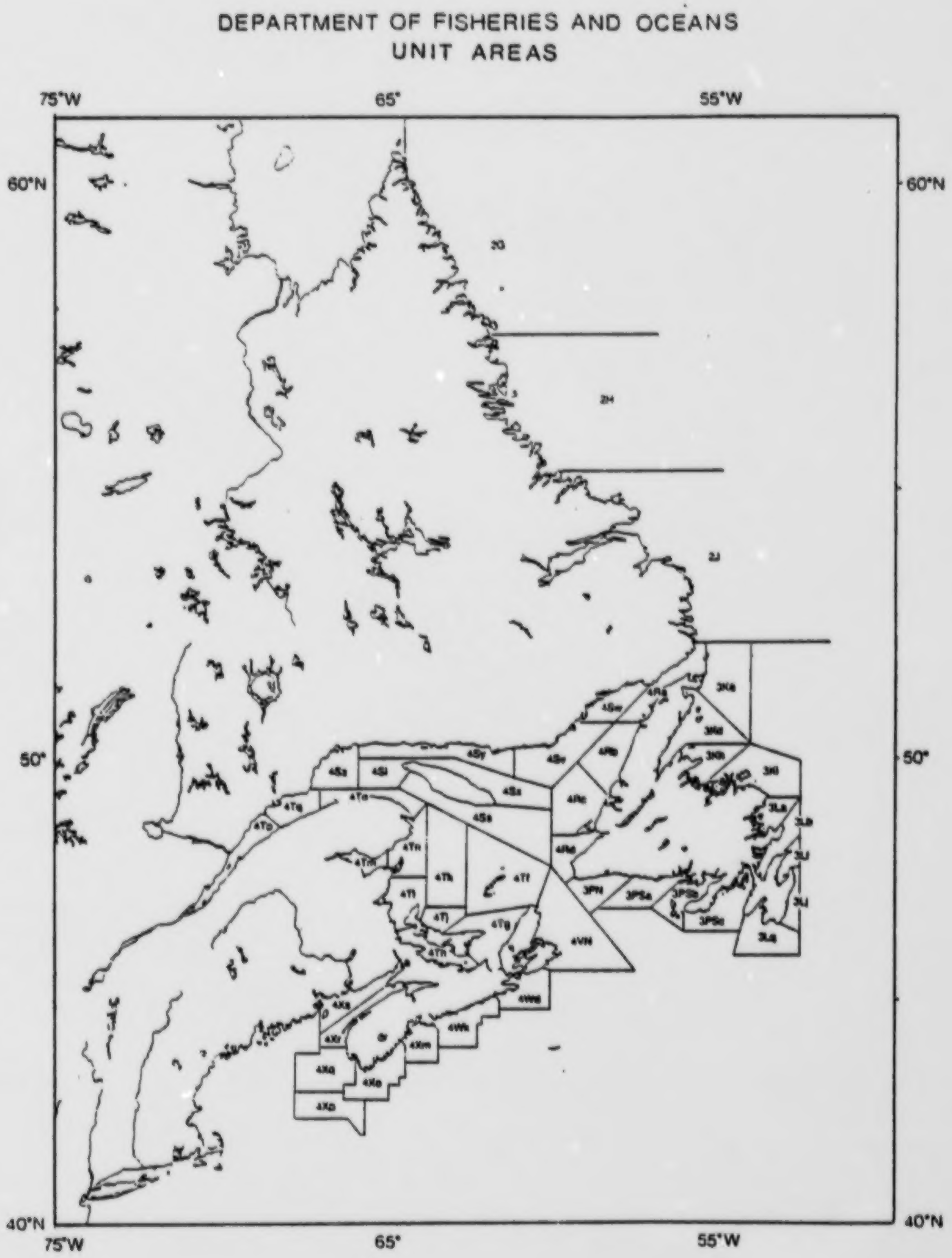

DEPARTMENT OF FISHERIES AND OCEANS
UNIT AREAS
75°W
65°
55°W
60°N
60°N
2G
2H
2J
3Ka
4Ra
4Sw
3Kd
4Sy
4Sv
4Rb
3Kh
3Ki
50°
50°
4Sz
4Si
4Sx
4Rc
4Tq
4To
3La
4Tp
4Ss
3Lb
4Rd
4Tn
4Tm
4Tk
4Tf
3Lj
4Tl
3Pn
3Psa
3Psb
3Li
4Tj
4Tg
3Psc
4Th
4Vn
3Lq
4Vs
4Xs
4Wk
4Xr
4Xm
4Xq
4Xp
4Xo
40°N
75°W
65°
55°W
40°N

Figure 1. Unit Areas for Scotia-Fundy, Gulf of St. Lawrence and Newfoundland regions.

SCOTIA-FUNDY

Daily Mean Temperatures, Accumulative Degree Days
relative to 0° and 4°C and Temperature Plots

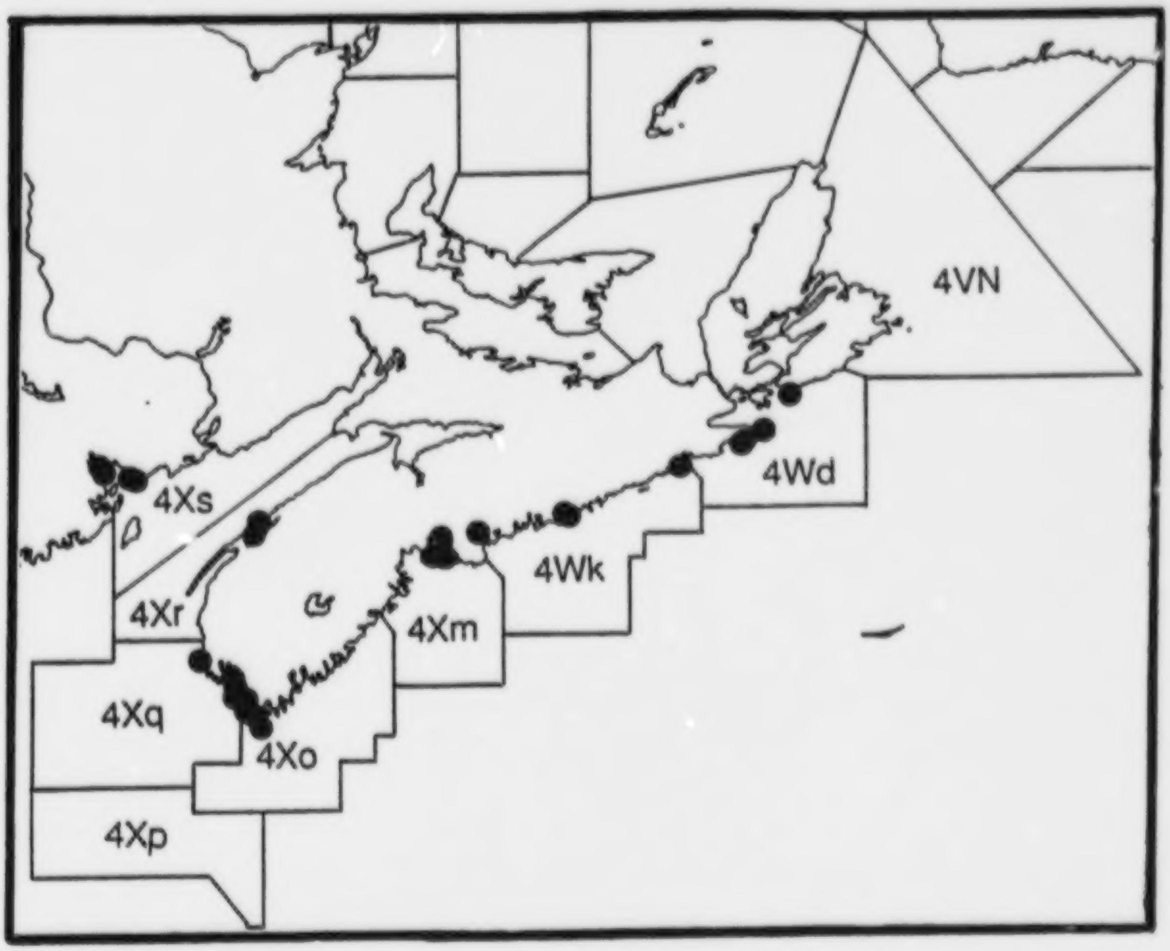

4VN
4Wd
4Wk
4Xs
4Xr
4Xm
4Xq
4Xo
4Xp

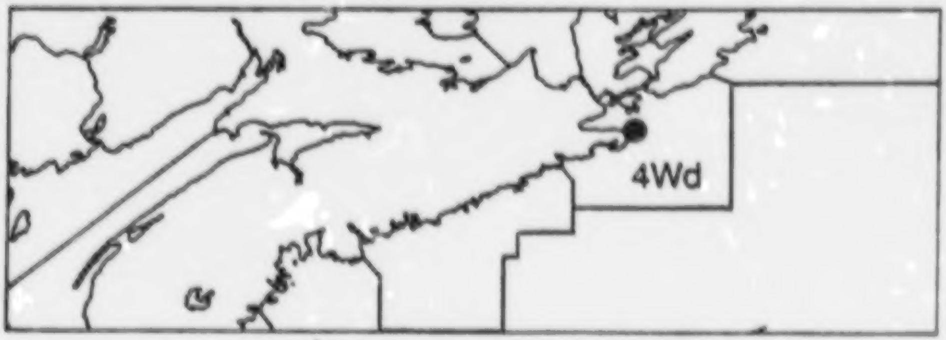
Figure 2. Mooring sites of Scotia-Fundy Unit Areas.

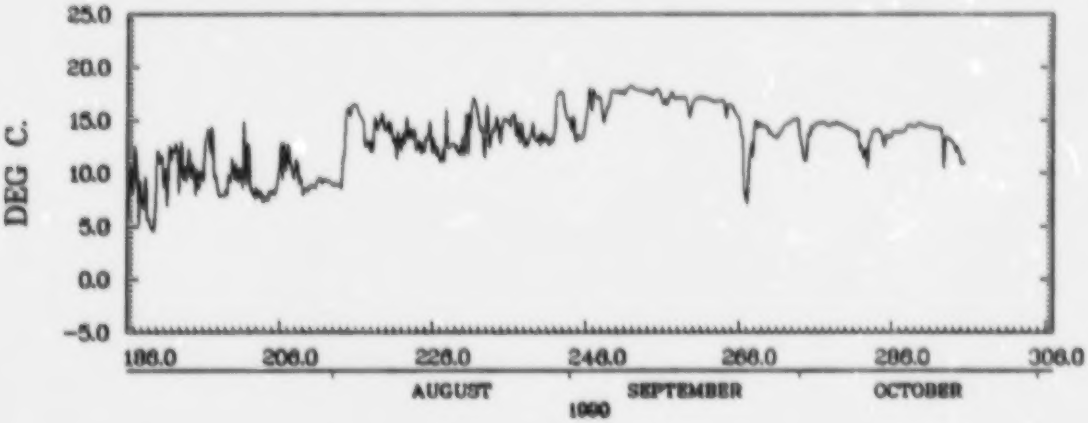
CANSO NS STA. 4WD 445

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
17.0M.	17.0M.	45.35	60.95	5/ 7/ 90	22/10/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
186	8.7	8.7	4.7	251	18.1	814.0	550.0				
187	8.8	17.5	9.5	252	17.9	831.9	563.9				
188	6.7	24.3	12.3	253	17.7	849.7	577.7				
189	6.4	30.7	14.7	254	17.6	867.3	591.3				
190	10.7	41.4	21.4	255	17.4	884.7	604.7				
191	10.6	52.0	28.0	256	16.9	901.6	617.6				
192	11.3	63.3	35.3	257	17.2	918.8	630.8				
193	10.5	73.9	41.9	258	17.1	935.9	643.9				
194	10.2	84.0	48.0	259	16.2	952.1	656.1				
195	9.7	93.8	53.8	260	17.1	969.1	669.1				
196	12.9	106.6	62.6	261	17.1	986.2	682.2				
197	10.5	117.1	69.1	262	16.8	1003.0	695.0				
198	8.0	125.1	73.1	263	16.8	1019.8	707.8				
199	9.7	134.8	78.8	264	16.0	1035.9	719.9				
200	9.9	144.7	84.7	265	15.6	1051.5	731.5				
201	11.6	156.3	92.3	266	10.9	1062.4	738.4				
202	8.3	164.6	96.6	267	11.6	1074.0	746.0				
203	7.8	172.4	100.4	268	14.6	1088.7	756.7				
204	7.9	180.3	104.3	269	14.3	1103.0	767.0				
205	9.0	189.2	109.2	270	13.6	1116.5	776.5				
206	11.4	200.6	116.6	271	14.0	1130.5	786.5				
207	10.7	211.3	123.3	272	14.8	1145.3	797.3				
208	9.6	221.0	129.0	273	14.9	1160.2	806.2				
209	8.5	229.5	133.5	274	11.9	1172.1	814.1				
210	9.0	238.4	138.4	275	14.1	1186.2	826.2				
211	9.3	247.8	143.8	276	14.7	1201.0	837.0				
212	9.1	256.9	148.9	277	14.6	1215.6	847.6				
213	8.9	265.8	153.8	278	14.7	1230.3	858.3				
214	13.5	279.3	163.3	279	14.6	1244.8	868.8				
215	16.2	295.5	175.5	280	14.2	1259.0	879.0				
216	15.4	310.9	186.9	281	13.4	1272.4	888.4				
217	12.7	323.6	195.6	282	11.8	1284.2	896.2				
218	14.1	337.7	205.7	283	13.7	1297.9	905.9				
219	14.8	352.5	216.5	284	13.6	1311.5	915.5				
220	14.0	366.4	226.4	285	13.4	1324.9	924.9				
221	12.7	379.1	235.1	286	13.9	1338.8	934.8				
222	13.7	392.8	244.8	287	14.1	1352.9	944.9				
223	13.3	406.1	254.1	288	14.5	1367.4	955.4				
224	12.4	418.5	262.5	289	14.6	1382.0	966.0				
225	13.4	431.9	271.9	290	14.4	1396.4	976.4				
226	12.1	444.0	280.0	291	14.3	1410.7	986.7				
227	12.7	456.7	288.7	292	13.3	1424.0	996.0				
228	12.6	469.4	297.4	293	13.2	1437.2	1005.2				
229	12.4	481.8	305.8	294	12.2	1449.3	1013.3				
230	14.1	495.9	315.9	295	11.0	1460.3	1020.3				
231	16.3	512.2	328.2								
232	13.6	525.8	337.8								
233	14.0	539.8	347.8								
234	14.2	554.0	358.0								
235	14.9	568.9	368.9								
236	14.7	583.7	379.7								
237	13.5	597.2	389.2								
238	13.2	610.4	398.4								
239	13.4	623.8	407.8								
240	13.3	637.2	417.2								
241	13.2	650.3	426.3								
242	17.5	667.8	439.8								
243	15.4	683.2	451.2								
244	14.0	697.2	461.2								
245	13.7	711.0	471.0								
246	16.9	727.8	483.8								
247	17.1	745.0	497.0								
248	15.8	760.7	508.7								
249	17.6	778.3	522.3								
250	17.6	796.0	536.0								

STN 445 DEPTH 17M





CANSO NS
45.35N 60.95W 0300Z 05/07/90 - 1100Z 22/10/90
INST. 62899

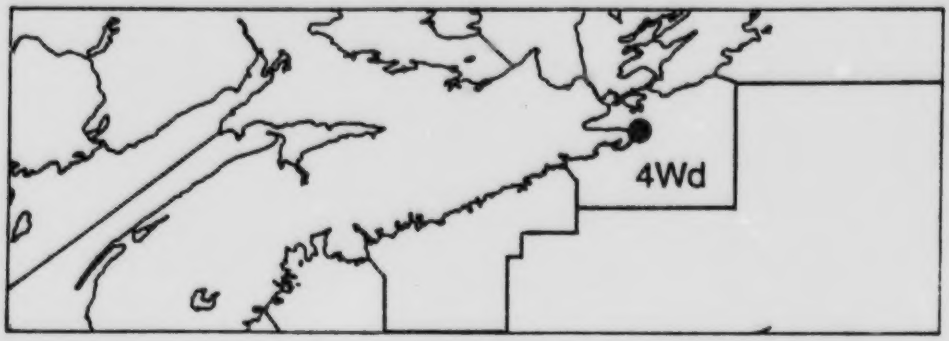
CANSO NS

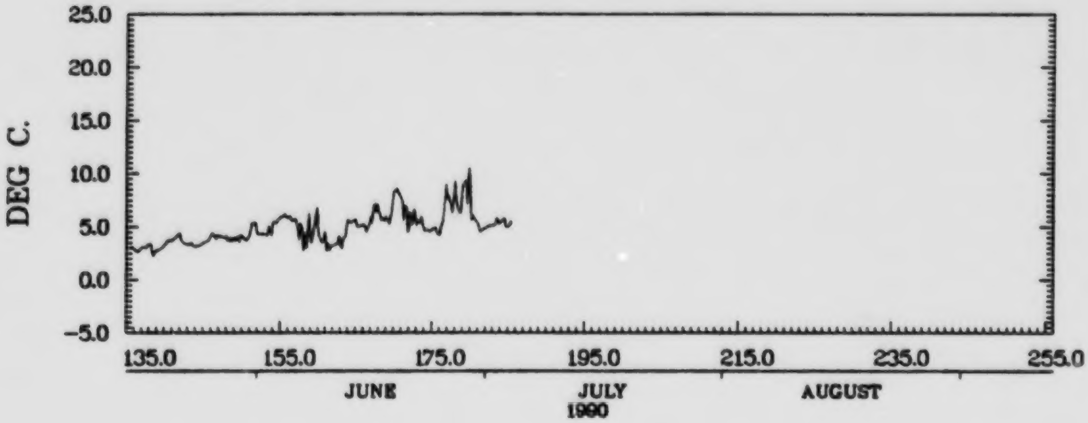
STA. 4WD 446

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
17.0M.	17.0M.	45.35	60.95	15/ 5/ 90	4/ 7/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
135	3.1	3.1	.0								
136	2.8	5.9	.0								
137	3.1	9.0	.0								
138	2.8	11.8	.0								
139	2.9	14.7	.0								
140	3.6	18.2	.0								
141	4.0	22.2	.0								
142	3.6	25.9	.0								
143	3.3	29.2	.0								
144	3.3	32.5	.0								
145	3.6	36.1	.0								
146	4.2	40.2	.2								
147	4.0	44.3	.2								
148	3.8	48.1	.2								
149	3.9	52.0	.2								
150	3.9	55.9	.2								
151	5.0	60.9	1.2								
152	4.3	65.2	1.5								
153	4.4	69.6	1.9								
154	5.5	75.1	3.4								
155	6.0	81.1	5.3								
156	5.7	86.8	7.1								
157	4.9	91.7	8.0								
158	4.1	95.8	8.1								
159	4.9	100.7	8.9								
160	3.8	104.5	8.9								
161	3.3	107.8	8.9								
162	3.4	111.2	8.9								
163	3.9	115.1	8.9								
164	5.5	120.6	10.5								
165	5.1	125.7	11.6								
166	4.9	130.7	12.5								
167	6.5	137.1	15.0								
168	5.9	143.0	16.9								
169	6.1	149.1	19.0								
170	8.3	157.3	23.2								
171	6.4	163.8	25.7								
172	5.8	169.6	27.4								
173	5.4	174.9	28.8								
174	4.6	179.6	29.5								
175	4.7	184.2	30.1								
176	6.0	190.2	32.1								
177	7.4	197.6	35.5								
178	7.2	204.8	38.7								
179	9.0	213.8	43.7								
180	6.1	220.0	45.8								
181	4.8	224.8	46.7								
182	5.0	229.8	47.7								
183	5.4	235.2	49.0								
184	5.4	240.5	50.4								
185	5.2	245.8	51.6								

STN 446 DEPTH 17M





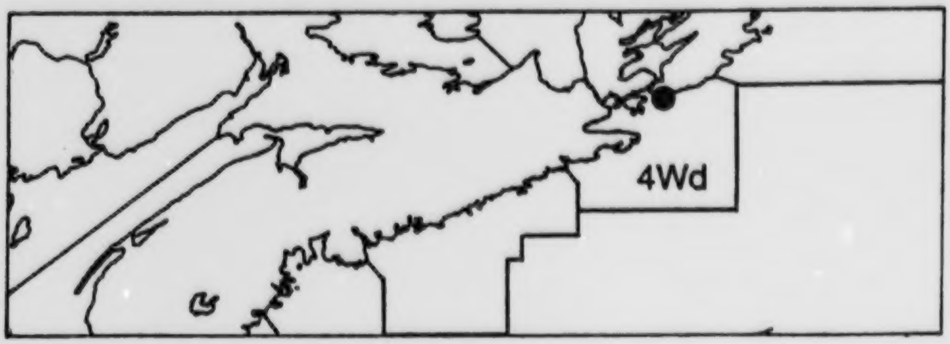
CANSO NS
45.35N 60.95W 1600Z 15/05/90 - 0800Z 04/07/90
INST. 62899

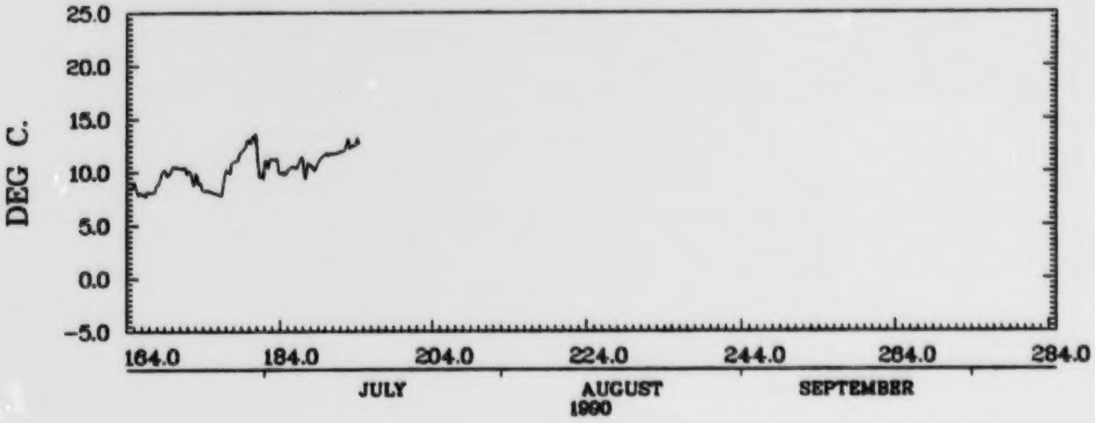
LITTLE HARBOUR NS STA. 4WD 428

WATER DEPTH 18.0M. INST DEPTH .0M. LATITUDE 45.58 LONGITUDE 60.75 FROM 13/ 6/ 90 TO 13/ 7/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
164	8.7	8.7	4.7								
165	8.3	17.0	9.0								
166	8.0	25.0	13.0								
167	8.2	33.2	17.2								
168	9.5	42.7	22.7								
169	9.9	52.6	28.6								
170	10.5	63.1	35.1								
171	10.3	73.3	41.3								
172	9.5	82.8	46.8								
173	9.1	91.9	51.9								
174	8.2	100.2	56.2								
175	8.0	108.2	60.2								
176	8.5	116.7	64.7								
177	10.3	127.0	71.0								
178	11.3	138.3	78.3								
179	12.4	150.7	86.7								
180	13.1	163.8	95.8								
181	10.2	174.0	102.0								
182	10.9	184.9	108.9								
183	11.0	195.9	115.9								
184	9.9	205.8	121.8								
185	10.4	216.2	128.2								
186	10.8	227.0	135.0								
187	10.3	237.3	141.3								
188	10.5	247.8	147.8								
189	11.3	259.1	155.1								
190	11.7	270.8	162.8								
191	11.8	282.6	170.6								
192	12.2	294.8	178.8								
193	12.5	307.3	187.3								
194	12.8	320.2	196.2								

STN 428 DEPTH 0M





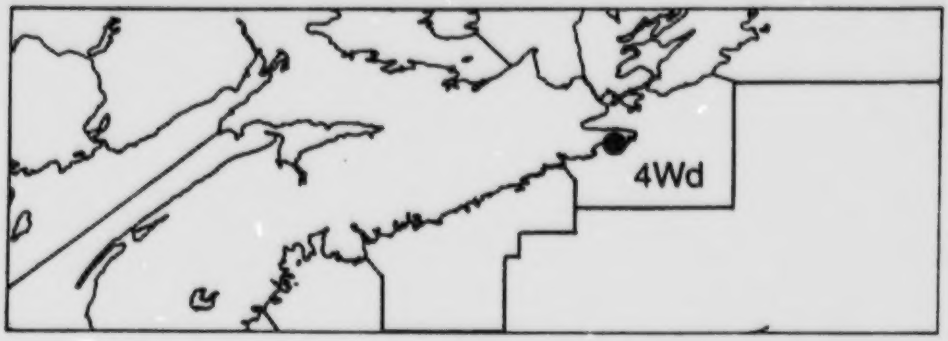
LITTLE HARBOUR NS
45.58N 60.75W 1600Z 13/06/90 - 0800Z 13/07/90
INST. 61523

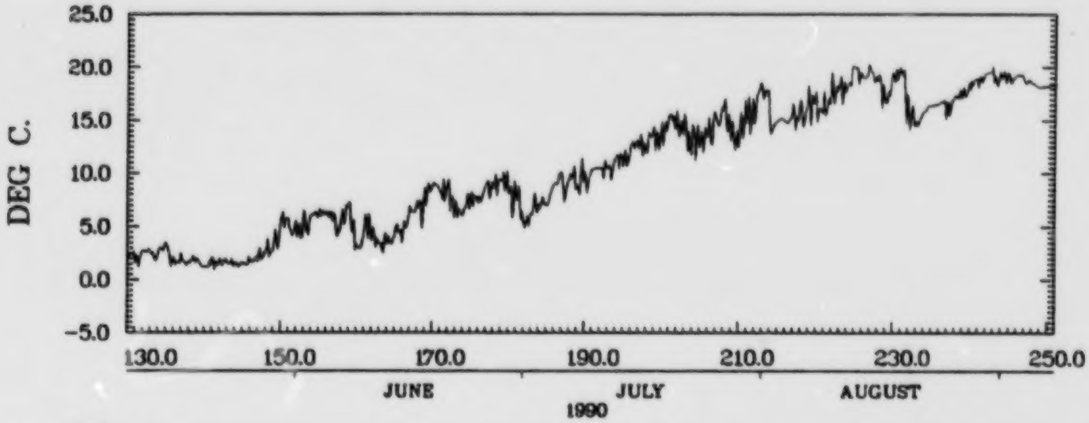
WHITEHAVEN HBR NS (OUTER) STA. 4WD 436

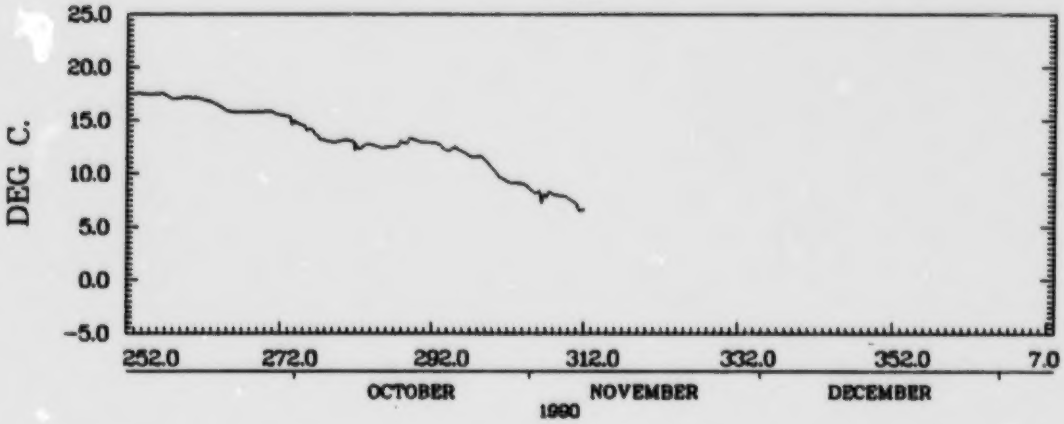
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
13.0M.	3.0M.	45.27	61.16	10/ 5/ 90	8/11/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
130	2.3	2.3	.0	195	11.4	370.2	147.3	260	17.1	1451.6	968.7
131	1.9	4.2	.0	196	12.8	383.0	156.0	261	17.0	1468.7	981.7
132	2.7	6.9	.0	197	12.6	395.6	164.6	262	16.8	1485.5	994.6
133	2.2	9.1	.0	198	13.2	408.7	173.8	263	16.6	1502.1	1007.2
134	2.8	11.9	.0	199	13.4	422.1	183.1	264	16.1	1518.3	1019.3
135	2.5	14.4	.0	200	14.2	436.3	193.3	265	15.8	1534.1	1031.1
136	1.7	16.1	.0	201	15.0	451.3	204.4	266	15.8	1549.9	1042.9
137	1.7	17.8	.0	202	14.3	465.6	214.7	267	15.8	1565.6	1054.7
138	1.8	19.6	.0	203	13.4	479.0	224.1	268	15.8	1581.4	1066.5
139	1.5	21.2	.0	204	13.4	492.4	233.4	269	15.8	1597.2	1078.3
140	1.3	22.5	.0	205	13.3	505.7	242.7	270	15.8	1613.0	1090.1
141	1.6	24.1	.0	206	14.2	519.9	253.0	271	15.6	1628.7	1101.7
142	1.8	25.8	.0	207	15.2	535.1	264.2	272	15.5	1644.1	1113.2
143	1.5	27.4	.0	208	15.2	550.3	275.4	273	15.1	1659.2	1124.2
144	1.4	28.8	.0	209	13.5	563.8	284.8	274	14.7	1673.9	1134.9
145	1.6	30.4	.0	210	14.7	578.5	295.5	275	14.3	1688.2	1145.2
146	1.8	32.2	.0	211	15.8	594.2	307.3	276	13.9	1702.1	1155.1
147	2.3	34.4	.0	212	16.9	611.1	320.1	277	13.3	1715.3	1164.4
148	2.8	37.3	.0	213	17.7	628.7	333.8	278	13.0	1728.4	1173.4
149	3.6	40.9	.0	214	14.4	643.2	344.2	279	13.0	1741.4	1182.4
150	5.7	46.6	1.7	215	15.1	658.3	355.3	280	13.2	1754.5	1191.6
151	4.8	51.3	2.5	216	15.0	673.3	366.3	281	12.9	1767.5	1200.5
152	4.5	55.8	3.0	217	15.5	688.7	377.8	282	12.5	1780.0	1209.0
153	5.4	61.2	4.3	218	15.7	704.4	389.4	283	12.7	1792.7	1217.7
154	6.1	67.3	6.4	219	16.7	721.1	402.1	284	12.6	1805.3	1226.4
155	6.3	73.6	8.7	220	16.0	737.1	414.2	285	12.5	1817.8	1234.9
156	6.1	79.7	10.8	221	16.5	753.6	426.7	286	12.5	1830.3	1243.4
157	5.0	84.6	11.8	222	18.1	771.7	440.7	287	12.7	1843.0	1252.1
158	6.1	90.8	13.9	223	18.0	789.7	454.7	288	12.9	1856.0	1261.0
159	5.3	96.1	15.2	224	19.0	808.7	469.7	289	13.3	1869.3	1270.3
160	3.2	99.3	15.2	225	19.5	828.2	485.2	290	13.0	1882.3	1279.3
161	5.0	104.3	16.2	226	19.3	847.5	500.5	291	12.9	1895.2	1288.3
162	3.8	108.1	16.2	227	19.2	866.7	515.7	292	12.9	1908.1	1297.1
163	3.5	111.6	16.2	228	18.1	884.8	529.8	293	12.5	1920.6	1305.6
164	3.6	115.2	16.2	229	17.7	902.5	543.5	294	12.3	1932.8	1313.9
165	4.6	119.8	16.8	230	19.4	921.8	558.9	295	12.3	1945.1	1322.2
166	5.0	124.7	17.8	231	18.0	939.9	572.9	296	11.9	1957.0	1330.1
167	6.6	131.3	20.3	232	15.2	955.1	584.1	297	11.6	1968.6	1337.7
168	6.9	138.2	23.3	233	15.1	970.1	595.2	298	11.6	1980.2	1345.3
169	8.3	146.5	27.5	234	16.1	986.2	607.3	299	10.9	1991.1	1352.2
170	8.9	155.4	32.4	235	16.5	1002.7	619.8	300	10.1	2001.2	1358.2
171	8.2	163.6	36.6	236	16.5	1019.2	632.2	301	9.5	2010.7	1363.7
172	7.7	171.3	40.3	237	16.5	1035.7	644.7	302	9.2	2019.8	1368.9
173	6.6	177.8	42.9	238	17.3	1053.0	658.0	303	9.1	2029.0	1374.0
174	6.8	184.7	45.7	239	17.8	1070.8	671.9	304	8.9	2037.8	1378.9
175	7.7	192.4	49.4	240	18.6	1089.4	686.5	305	8.3	2046.1	1383.2
176	7.7	200.1	53.2	241	18.9	1108.3	701.4	306	7.9	2054.1	1387.1
177	8.7	208.9	57.9	242	19.6	1127.9	716.9	307	8.1	2062.2	1391.2
178	9.0	217.9	63.0	243	18.9	1146.8	731.8	308	8.0	2070.2	1395.2
179	9.4	227.3	68.4	244	19.1	1165.9	746.9	309	7.9	2078.0	1399.1
180	7.8	235.1	72.2	245	18.9	1184.8	761.9	310	7.5	2085.5	1402.6
181	7.2	242.3	75.4	246	19.3	1204.1	777.1	311	6.7	2092.2	1405.3
182	5.5	247.8	76.9	247	18.7	1222.7	791.8				
183	6.8	254.6	79.7	248	18.3	1241.1	806.1				
184	7.2	261.8	82.9	249	18.2	1259.3	820.3				
185	7.8	269.6	86.6	250	18.3	1277.5	834.6				
186	9.3	278.9	92.0	251	18.0	1295.6	848.6				
187	8.8	287.7	96.8	252	17.5	1313.1	862.1				
188	9.7	297.4	102.5	253	17.5	1330.6	875.7				
189	9.3	306.7	107.8	254	17.5	1348.1	889.2				
190	9.4	316.1	113.1	255	17.4	1365.6	902.6				
191	10.4	326.5	119.6	256	17.5	1383.1	916.1				
192	10.4	337.0	126.0	257	17.2	1400.3	929.3				
193	10.5	347.5	132.5	258	17.1	1417.4	942.4				
194	11.4	358.9	139.9	259	17.2	1434.5	955.6				

STN 436 DEPTH 3M







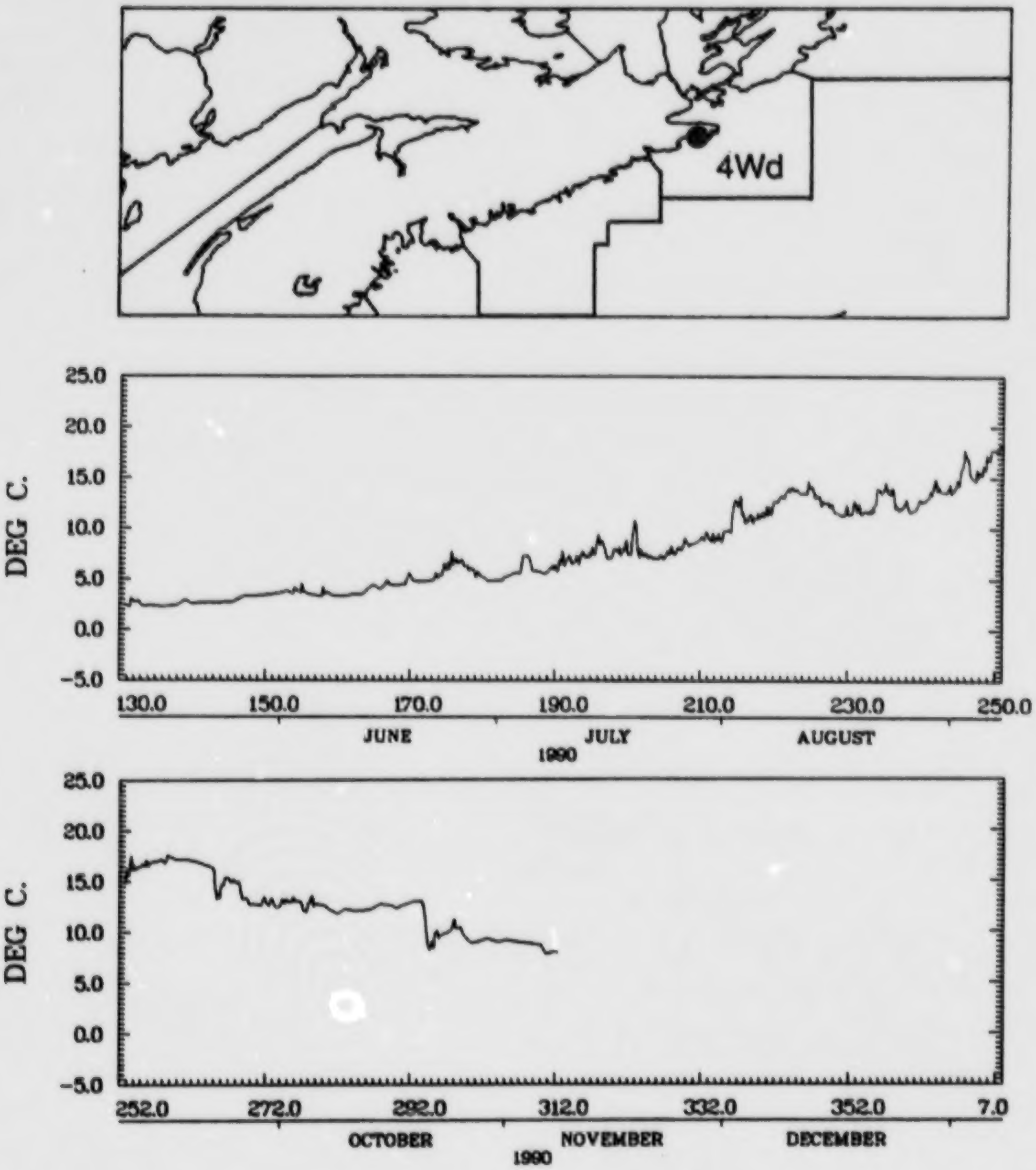
WHITEHAVEN HBR NS (OUTER)
45.27N 61.16W 0000Z 10/05/90 - 0000Z 08/11/90
INST. 62497

WHITEHAVEN HBR NS (OUTER) STA. 4WD 437

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
13.0M.	11.0M.	45.27	61.16	10/ 5/ 90	8/11/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
130	2.5	2.5	.0	195	8.0	285.5	54.0	260	17.2	1090.5	599.1
131	2.5	5.1	.0	196	8.6	294.1	58.6	261	17.1	1107.6	612.2
132	2.7	7.8	.0	197	7.1	301.3	61.8	262	17.0	1124.6	625.2
133	2.3	10.2	.0	198	7.9	309.1	65.7	263	16.7	1141.4	637.9
134	2.4	12.5	.0	199	7.9	317.1	69.6	264	16.5	1157.8	650.4
135	2.3	14.8	.0	200	8.1	325.2	73.8	265	14.2	1172.0	660.5
136	2.3	17.1	.0	201	8.5	333.8	78.3	266	15.0	1187.0	671.5
137	2.4	19.5	.0	202	7.4	341.1	81.7	267	15.1	1202.1	682.6
138	2.6	22.1	.0	203	7.1	348.3	84.8	268	14.5	1216.6	693.2
139	2.8	24.9	.0	204	7.2	355.4	88.0	269	13.2	1229.8	702.3
140	2.6	27.5	.0	205	7.4	362.9	91.4	270	12.7	1242.5	711.1
141	2.6	30.1	.0	206	7.8	370.7	95.2	271	12.9	1255.4	719.9
142	2.7	32.7	.0	207	8.3	379.0	99.5	272	12.9	1268.3	728.9
143	2.7	35.4	.0	208	8.5	387.4	104.0	273	12.6	1281.0	737.5
144	2.7	38.1	.0	209	8.7	396.1	108.6	274	13.0	1294.0	746.5
145	2.8	40.9	.0	210	9.2	405.3	113.8	275	13.1	1307.0	755.6
146	3.0	43.9	.0	211	9.0	414.3	118.9	276	13.1	1320.1	764.7
147	3.3	47.2	.0	212	9.1	423.4	123.9	277	12.2	1332.4	772.9
148	3.3	50.5	.0	213	9.7	433.1	129.6	278	13.0	1345.3	781.9
149	3.4	53.9	.0	214	11.4	444.5	137.0	279	12.7	1358.1	790.6
150	3.4	57.3	.0	215	12.3	456.7	145.3	280	12.5	1370.6	799.1
151	3.5	60.8	.0	216	10.9	467.6	152.1	281	12.0	1382.6	807.2
152	3.7	64.5	.0	217	11.0	478.6	159.2	282	12.0	1394.6	815.2
153	3.7	68.2	.0	218	11.3	490.0	166.5	283	12.2	1406.8	823.4
154	3.9	72.1	.0	219	11.9	501.8	174.4	284	12.1	1418.9	831.5
155	3.8	75.9	.0	220	12.8	514.6	183.2	285	12.1	1431.1	839.6
156	3.4	79.3	.0	221	13.4	528.0	192.5	286	12.2	1443.3	847.8
157	3.3	82.6	.0	222	13.9	541.9	202.4	287	12.6	1455.9	856.4
158	3.7	86.3	.0	223	13.6	555.5	212.0	288	12.7	1468.6	865.1
159	3.4	89.7	.0	224	13.8	569.2	221.8	289	12.6	1481.2	873.7
160	3.3	93.0	.0	225	13.6	582.8	231.4	290	12.4	1493.6	882.1
161	3.4	96.4	.0	226	12.7	595.5	240.1	291	12.7	1506.3	890.9
162	3.5	99.9	.0	227	12.4	607.9	248.5	292	13.0	1519.3	899.8
163	3.6	103.5	.0	228	11.6	619.6	256.1	293	12.9	1532.2	908.7
164	4.2	107.6	.2	229	11.6	631.2	263.7	294	9.4	1541.6	914.2
165	4.2	111.8	.4	230	11.8	643.0	271.5	295	9.4	1551.0	919.5
166	4.4	116.2	.8	231	11.8	654.8	279.4	296	9.7	1560.7	925.3
167	4.4	120.7	1.2	232	11.7	666.5	287.0	297	10.2	1570.9	931.4
168	4.4	125.1	1.6	233	12.4	678.9	295.4	298	10.5	1581.4	937.9
169	4.9	129.9	2.5	234	13.7	692.6	305.2	299	9.6	1591.0	943.5
170	5.0	134.9	3.4	235	13.9	706.5	315.0	300	9.0	1600.0	948.5
171	4.7	139.6	4.2	236	12.5	719.1	323.6	301	9.1	1609.0	953.6
172	4.8	144.4	5.0	237	12.2	731.3	331.8	302	9.3	1618.3	958.9
173	5.1	149.6	6.1	238	11.8	743.1	339.7	303	9.1	1627.5	964.0
174	5.8	155.3	7.9	239	12.3	755.5	348.0	304	9.1	1636.5	969.1
175	6.7	162.0	10.5	240	12.8	768.3	356.8	305	9.2	1645.7	974.2
176	6.8	168.8	13.3	241	13.9	782.2	366.7	306	9.0	1654.7	979.3
177	6.4	175.2	15.7	242	13.8	796.0	376.5	307	8.9	1663.7	984.2
178	5.9	181.1	17.6	243	13.8	809.8	386.3	308	8.8	1672.5	989.1
179	5.4	186.5	19.0	244	14.0	823.8	396.3	309	8.7	1681.3	993.8
180	5.0	191.5	20.0	245	15.9	839.6	408.2	310	8.2	1689.4	998.0
181	4.8	196.3	20.9	246	16.2	855.8	420.3	311	7.9	1697.4	1001.9
182	4.9	201.3	21.8	247	15.2	871.0	431.5	312	8.0	1705.4	1005.9
183	5.3	206.6	23.1	248	16.0	887.0	443.5				
184	5.6	212.1	24.7	249	17.4	904.4	456.9				
185	6.6	218.7	27.3	250	18.0	922.3	470.9				
186	6.8	225.5	30.0	251	18.0	940.3	484.9				
187	5.8	231.3	31.8	252	15.1	955.4	496.0				
188	5.6	236.9	33.4	253	16.4	971.9	508.4				
189	6.0	242.9	35.5	254	16.4	988.2	520.8				
190	6.3	249.2	37.8	255	16.7	1005.0	533.5				
191	7.0	256.2	40.8	256	16.8	1021.8	546.3				
192	6.8	263.1	43.6	257	17.1	1038.8	559.4				
193	7.1	270.2	46.8	258	17.2	1056.0	572.6				
194	7.3	277.5	50.0	259	17.3	1073.3	585.9				

STN 437 DEPTH 11M



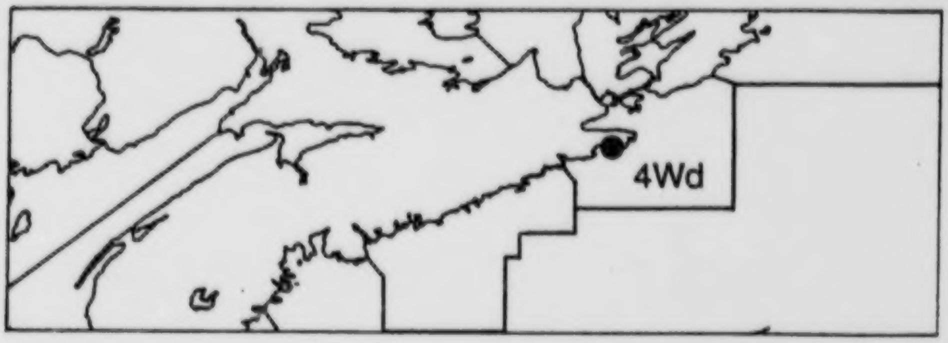
WHITEHAVEN HBR NS (OUTER)
45.27N 61.16W 0000Z 10/05/90 - 0800Z 08/11/90
INST. 62542

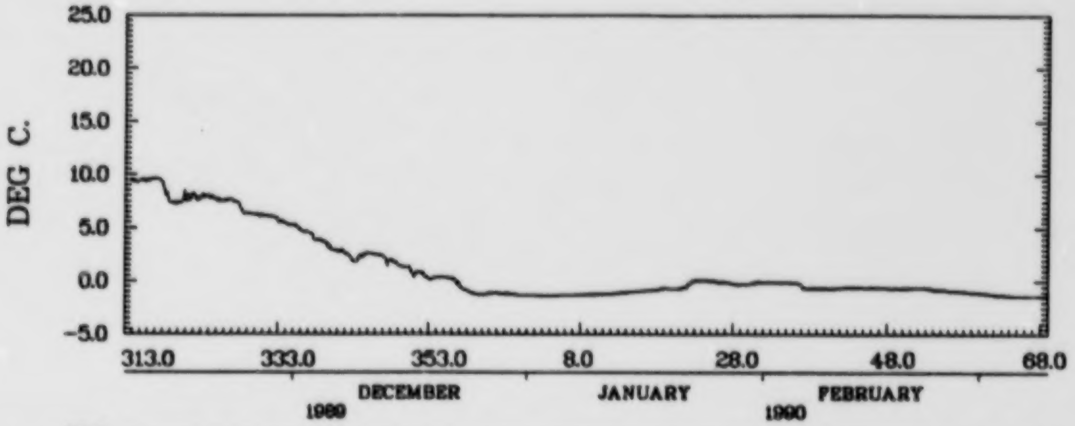
WHITEHAVEN HBR NS (OUTER) STA. 4WD 461

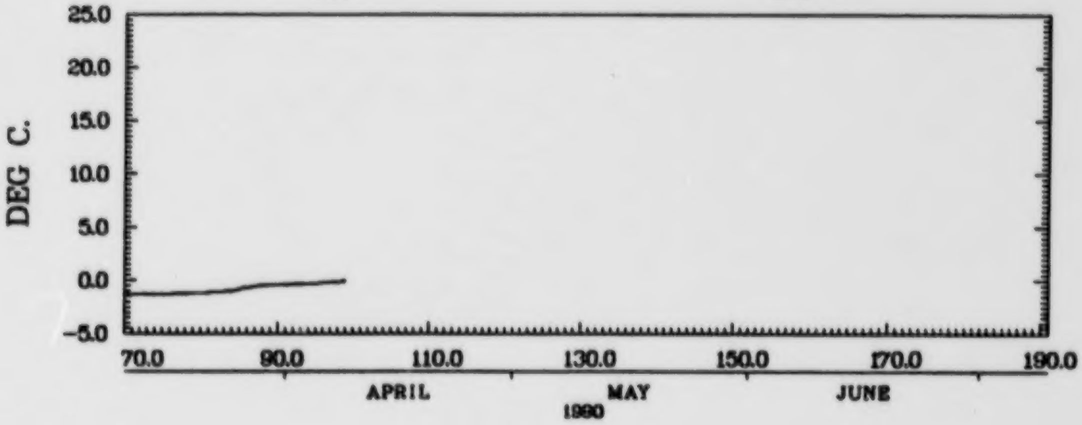
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
13.0M.	11.0M.	45.27	61.16	9/11/ 89	8/ 4/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
313	9.5	9.5	5.5
314	9.4	18.8	10.8
315	9.4	28.3	16.3
316	9.6	37.8	21.8
317	9.5	47.3	27.3
318	8.1	55.4	31.4
319	7.4	62.8	34.8
320	7.6	70.4	38.4
321	7.8	78.2	42.2
322	7.8	86.0	46.0
323	8.0	94.0	50.0
324	7.8	101.8	53.8
325	7.6	109.4	57.4
326	7.7	117.1	61.1
327	7.4	124.5	64.5
328	6.5	131.0	67.0
329	6.3	137.3	69.3
330	6.2	143.5	71.5
331	6.1	149.6	73.6
332	6.0	155.6	75.6
333	5.5	161.2	77.2
334	5.3	166.4	78.4
335	5.1	171.5	79.5
336	4.7	176.2	80.2
337	4.3	180.5	80.5
338	3.8	184.3	80.5
339	3.5	187.8	80.5
340	2.9	190.7	80.5
341	2.8	193.5	80.5
342	2.3	195.8	80.5
343	2.0	197.8	80.5
344	2.5	200.3	80.5
345	2.6	202.9	80.5
346	2.4	205.3	80.5
347	2.0	207.3	80.5
348	1.8	209.0	80.5
349	1.4	210.4	80.5
350	1.1	211.5	80.5
351	.7	212.2	80.5
352	.5	212.7	80.5
353	.2	212.9	80.5
354	.4	213.3	80.5
355	.3	213.6	80.5
356	.0	213.6	80.5
357	-.7	213.6	80.5
358	-1.1	213.6	80.5
359	-1.2	213.6	80.5
360	-1.2	213.6	80.5
361	-1.1	213.6	80.5
362	-1.2	213.6	80.5
363	-1.2	213.6	80.5
364	-1.3	213.6	80.5
365	-1.3	213.6	80.5
1	-1.3	213.6	80.5
2	-1.4	213.6	80.5
3	-1.4	213.6	80.5
4	-1.4	213.6	80.5
5	-1.3	213.6	80.5
6	-1.3	213.6	80.5
7	-1.3	213.6	80.5
8	-1.3	213.6	80.5
9	-1.2	213.6	80.5
10	-1.2	213.6	80.5
11	-1.2	213.6	80.5
12	-1.2	213.6	80.5
13	-1.1	213.6	80.5
14	-1.0	213.6	80.5
15	-1.0	213.6	80.5
16	-.9	213.6	80.5
17	-.8	213.6	80.5
18	-.7	213.6	80.5
19	-.7	213.6	80.5
20	-.7	213.6	80.5
21	-.6	213.6	80.5
22	-.1	213.6	80.5
23	.1	213.6	80.5
24	.1	213.7	80.5
25	.0	213.7	80.5
26	-.1	213.7	80.5
27	-.2	213.7	80.5
28	-.3	213.7	80.5
29	-.3	213.7	80.5
30	-.2	213.7	80.5
31	-.1	213.7	80.5
32	-.1	213.7	80.5
33	-.1	213.7	80.5
34	-.1	213.7	80.5
35	-.1	213.7	80.5
36	-.2	213.7	80.5
37	-.6	213.7	80.5
38	-.6	213.7	80.5
39	-.7	213.7	80.5
40	-.6	213.7	80.5
41	-.6	213.7	80.5
42	-.6	213.7	80.5
43	-.6	213.7	80.5
44	-.6	213.7	80.5
45	-.6	213.7	80.5
46	-.6	213.7	80.5
47	-.6	213.7	80.5
48	-.6	213.7	80.5
49	-.6	213.7	80.5
50	-.6	213.7	80.5
51	-.6	213.7	80.5
52	-.6	213.7	80.5
53	-.7	213.7	80.5
54	-.8	213.7	80.5
55	-.8	213.7	80.5
56	-.9	213.7	80.5
57	-.9	213.7	80.5
58	-1.0	213.7	80.5
59	-1.1	213.7	80.5
60	-1.1	213.7	80.5
61	-1.2	213.7	80.5
62	-1.3	213.7	80.5
63	-1.3	213.7	80.5
64	-1.4	213.7	80.5
65	-1.4	213.7	80.5
66	-1.4	213.7	80.5
67	-1.4	213.7	80.5
68	-1.4	213.7	80.5
69	-1.3	213.7	80.5
70	-1.3	213.7	80.5
71	-1.3	213.7	80.5
72	-1.3	213.7	80.5
73	-1.3	213.7	80.5
74	-1.3	213.7	80.5
75	-1.3	213.7	80.5
76	-1.2	213.7	80.5
77	-1.2	213.7	80.5
78	-1.2	213.7	80.5
79	-1.2	213.7	80.5
80	-1.2	213.7	80.5
81	-1.1	213.7	80.5
82	-1.1	213.7	80.5
83	-1.0	213.7	80.5
84	-.9	213.7	80.5
85	-.7	213.7	80.5
86	-.6	213.7	80.5
87	-.5	213.7	80.5
88	-.5	213.7	80.5
89	-.4	213.7	80.5
90	-.4	213.7	80.5
91	-.4	213.7	80.5
92	-.3	213.7	80.5
93	-.3	213.7	80.5
94	-.3	213.7	80.5
95	-.2	213.7	80.5
96	-.2	213.7	80.5
97	-.2	213.7	80.5
98	-.1	213.7	80.5

STN 461 DEPTH 11M







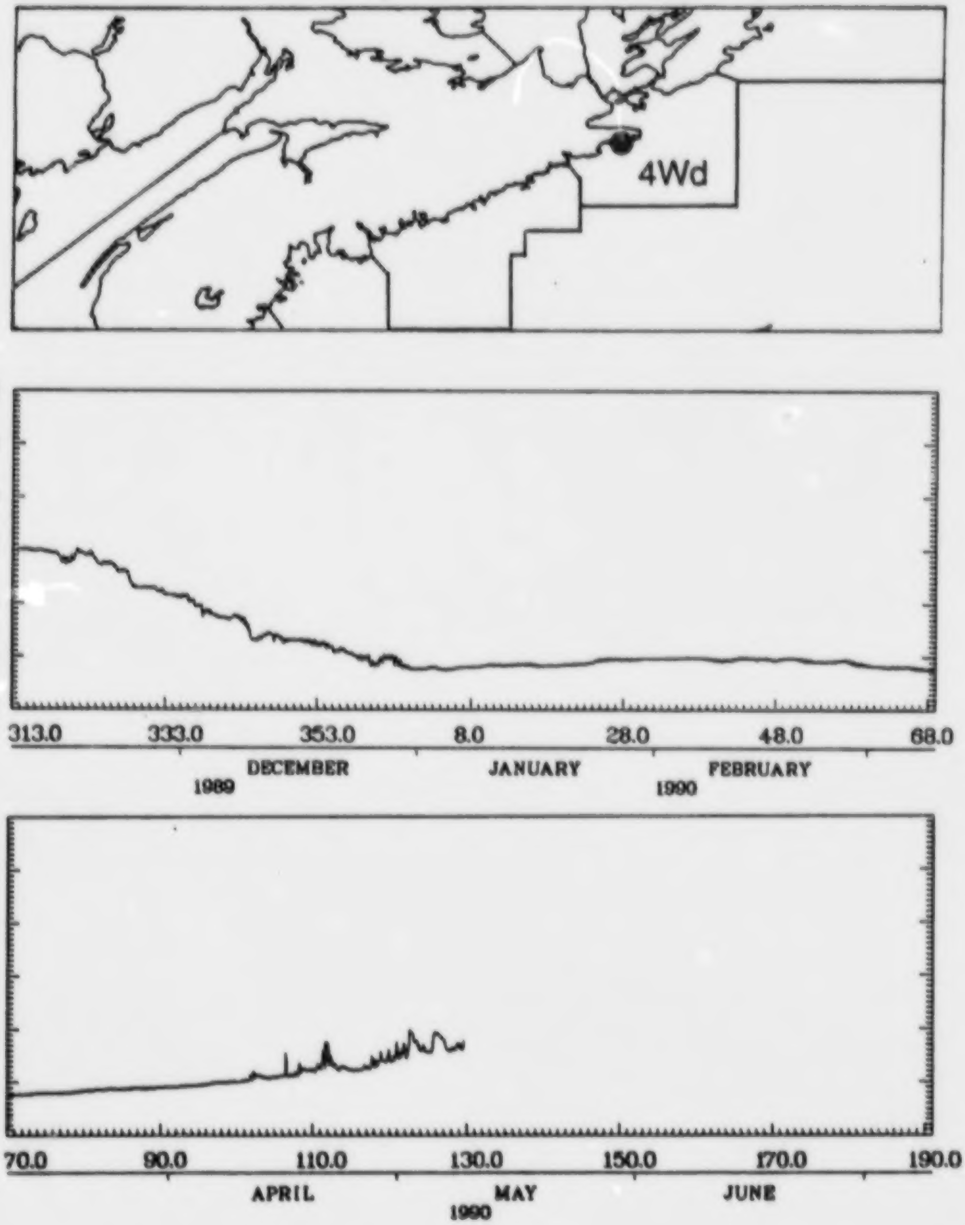
WHITEHAVEN HBR NS (OUTER)
45.27N 61.16W 1900Z 09/11/89 - 1900Z 08/04/90
INST. 4395

WHITEHAVEN HBR NS (INNER) STA. 4WD 462

WATER DEPTH 5.5M.
INST DEPTH 5.0M.
LATITUDE 45.29
LONGITUDE 61.17
FROM 9/11/ 89
TO 9/ 5/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
313	10.0	10.0	6.0	13	-.7	239.7	99.7	78	-.9	239.7	99.7
314	10.0	20.0	12.0	14	-.7	239.7	99.7	79	-.8	239.7	99.7
315	10.0	30.0	18.0	15	-.7	239.7	99.7	80	-.8	239.7	99.7
316	10.0	40.0	24.0	16	-.8	239.7	99.7	81	-.7	239.7	99.7
317	9.8	49.8	29.8	17	-.9	239.7	99.7	82	-.7	239.7	99.7
318	9.7	59.5	35.5	18	-.8	239.7	99.7	83	-.6	239.7	99.7
319	9.1	68.6	40.6	19	-.8	239.7	99.7	84	-.6	239.7	99.7
320	9.1	77.7	45.7	20	-.7	239.7	99.7	85	-.6	239.7	99.7
321	9.7	87.4	51.4	21	-.7	239.7	99.7	86	-.6	239.7	99.7
322	9.6	97.0	57.0	22	-.7	239.7	99.7	87	-.6	239.7	99.7
323	9.4	106.4	62.4	23	-.6	239.7	99.7	88	-.6	239.7	99.7
324	8.7	115.1	67.1	24	-.4	239.7	99.7	89	-.5	239.7	99.7
325	8.7	123.8	71.8	25	-.3	239.7	99.7	90	-.5	239.7	99.7
326	8.3	132.1	76.1	26	-.2	239.7	99.7	91	-.4	239.7	99.7
327	8.1	140.2	80.2	27	-.3	239.7	99.7	92	-.4	239.7	99.7
328	7.0	147.2	83.2	28	-.3	239.7	99.7	93	-.3	239.7	99.7
329	6.5	153.7	85.7	29	-.3	239.7	99.7	94	-.3	239.7	99.7
330	6.5	160.2	88.2	30	-.2	239.7	99.7	95	-.2	239.7	99.7
331	6.4	166.6	90.6	31	-.2	239.7	99.7	96	-.1	239.7	99.7
332	6.1	172.7	92.7	32	-.2	239.7	99.7	97	.0	239.7	99.7
333	5.8	178.5	94.5	33	-.1	239.7	99.7	98	.0	239.7	99.7
334	5.7	184.2	96.2	34	-.1	239.7	99.7	99	.0	239.8	99.7
335	5.7	189.8	97.8	35	-.1	239.7	99.7	100	.1	239.8	99.7
336	5.1	194.9	98.9	36	-.1	239.7	99.7	101	.3	240.1	99.7
337	4.6	199.5	99.5	37	-.1	239.7	99.7	102	.6	240.7	99.7
338	4.2	203.7	99.7	38	-.2	239.7	99.7	103	.5	241.2	99.7
339	3.8	207.6	99.7	39	-.3	239.7	99.7	104	.4	241.6	99.7
340	3.7	211.2	99.7	40	-.4	239.7	99.7	105	.5	242.2	99.7
341	3.6	214.8	99.7	41	-.4	239.7	99.7	106	.7	242.9	99.7
342	3.7	218.5	99.7	42	-.3	239.7	99.7	107	.7	243.6	99.7
343	3.1	221.6	99.7	43	-.1	239.7	99.7	108	1.1	244.7	99.7
344	1.7	223.3	99.7	44	-.1	239.7	99.7	109	1.1	245.8	99.7
345	1.8	225.1	99.7	45	-.2	239.7	99.7	110	1.3	247.0	99.7
346	2.1	227.2	99.7	46	-.2	239.7	99.7	111	2.3	249.4	99.7
347	1.9	229.0	99.7	47	-.3	239.7	99.7	112	2.0	251.3	99.7
348	1.5	230.6	99.7	48	-.2	239.7	99.7	113	1.3	252.6	99.7
349	1.5	232.1	99.7	49	-.1	239.7	99.7	114	1.3	253.9	99.7
350	1.5	233.6	99.7	50	-.2	239.7	99.7	115	1.1	255.0	99.7
351	1.4	235.1	99.7	51	-.3	239.7	99.7	116	1.2	256.2	99.7
352	1.2	236.3	99.7	52	-.4	239.7	99.7	117	1.6	257.8	99.7
353	1.2	237.5	99.7	53	-.5	239.7	99.7	118	2.0	259.7	99.7
354	1.0	238.4	99.7	54	-.5	239.7	99.7	119	2.2	261.9	99.7
355	.6	239.0	99.7	55	-.4	239.7	99.7	120	2.4	264.3	99.7
356	.5	239.5	99.7	56	-.4	239.7	99.7	121	2.9	267.2	99.7
357	.2	239.7	99.7	57	-.4	239.7	99.7	122	3.7	270.9	99.7
358	-.1	239.7	99.7	58	-.6	239.7	99.7	123	3.6	274.5	99.7
359	-.2	239.7	99.7	59	-.7	239.7	99.7	124	3.1	277.5	99.7
360	-.7	239.7	99.7	60	-.8	239.7	99.7	125	3.6	281.1	99.7
361	-.2	239.7	99.7	61	-.9	239.7	99.7	126	4.3	285.4	100.0
362	-.2	239.7	99.7	62	-.9	239.7	99.7	127	3.2	288.6	100.0
363	-.6	239.7	99.7	63	-.9	239.7	99.7	128	3.2	291.9	100.0
364	-1.0	239.7	99.7	64	-.9	239.7	99.7	129	3.4	295.2	100.0
365	-1.2	239.7	99.7	65	-1.0	239.7	99.7				
1	-1.1	239.7	99.7	66	-1.0	239.7	99.7				
2	-1.1	239.7	99.7	67	-1.1	239.7	99.7				
3	-1.1	239.7	99.7	68	-1.2	239.7	99.7				
4	-1.2	239.7	99.7	69	-1.2	239.7	99.7				
5	-1.1	239.7	99.7	70	-1.2	239.7	99.7				
6	-1.0	239.7	99.7	71	-1.2	239.7	99.7				
7	-1.0	239.7	99.7	72	-1.1	239.7	99.7				
8	-1.0	239.7	99.7	73	-1.1	239.7	99.7				
9	-.9	239.7	99.7	74	-1.0	239.7	99.7				
10	-.8	239.7	99.7	75	-1.0	239.7	99.7				
11	-.8	239.7	99.7	76	-1.0	239.7	99.7				
12	-.8	239.7	99.7	77	-1.0	239.7	99.7				

STN 462 DEPTH 5M



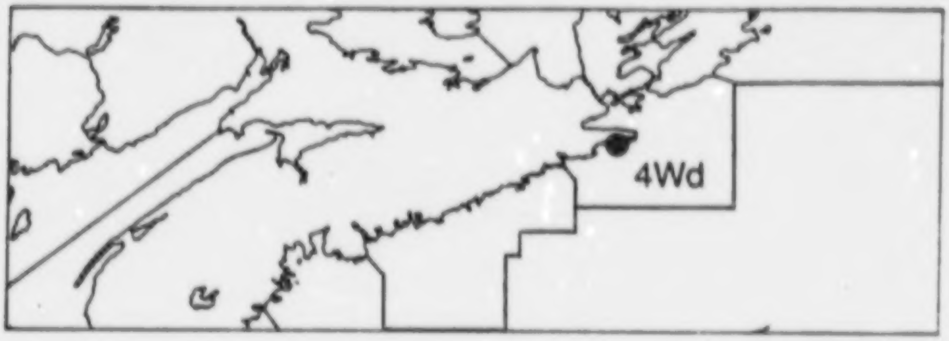
WHITEHAVEN HBR NS (INNER)
45.29N 61.17W 1800Z 09/11/89 - 1700Z 09/05/90
INST. 4397

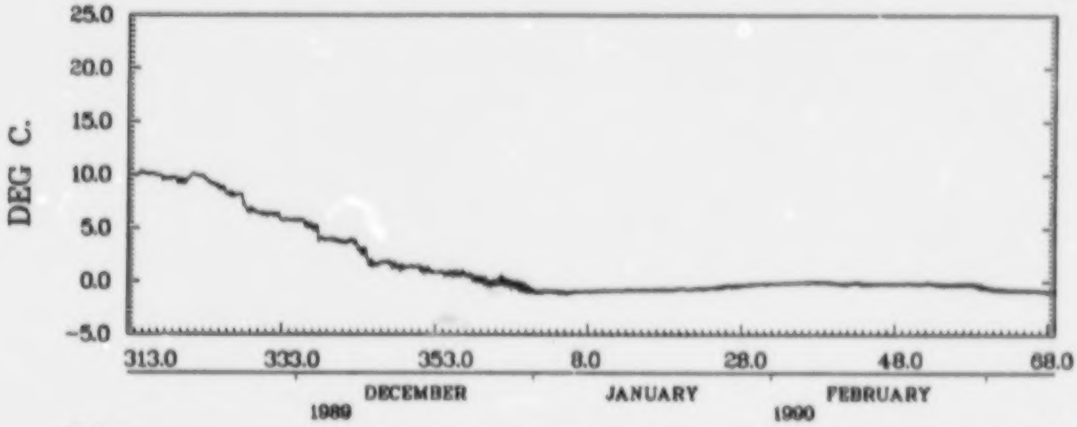
WHITEHAVEN HBR NS (INNER) STA. 4WD 463

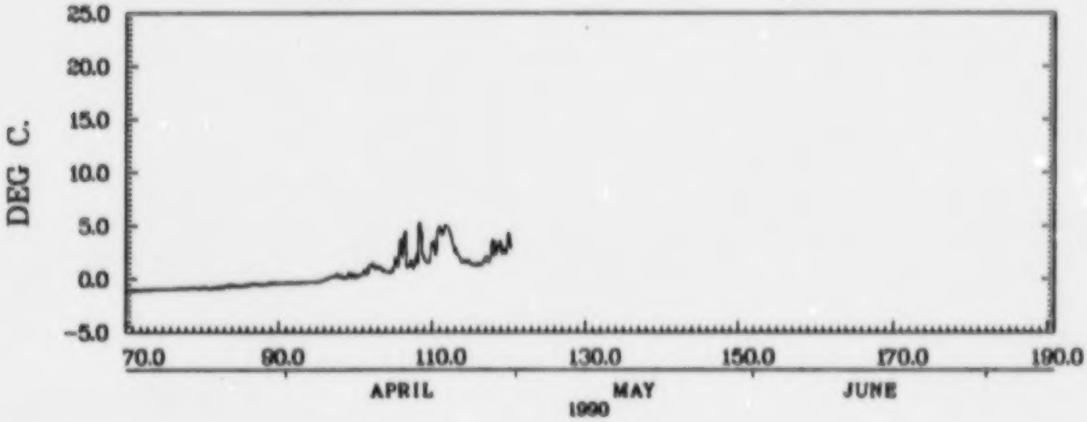
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
5.5M.	3.0M.	45.29	61.17	9/11/ 89	30/ 4/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
313	10.0	10.0	6.0	13	-.8	239.7	101.3	78	-.9	239.7	101.3
314	10.1	20.1	12.1	14	-.8	239.7	101.3	79	-.9	239.7	101.3
315	10.1	30.2	18.2	15	-.8	239.7	101.3	80	-.8	239.7	101.3
316	10.0	40.2	24.2	16	-.8	239.7	101.3	81	-.9	239.7	101.3
317	9.8	50.0	30.0	17	-.8	239.7	101.3	82	-.8	239.7	101.3
318	9.7	59.7	35.7	18	-.8	239.7	101.3	83	-.7	239.7	101.3
319	9.6	69.2	41.2	19	-.7	239.7	101.3	84	-.7	239.7	101.3
320	9.4	78.7	46.7	20	-.7	239.7	101.3	85	-.6	239.7	101.3
321	9.9	88.6	52.6	21	-.7	239.7	101.3	86	-.5	239.7	101.3
322	9.9	98.5	58.5	22	-.6	239.7	101.3	87	-.5	239.7	101.3
323	9.4	107.9	63.9	23	-.6	239.7	101.3	88	-.5	239.7	101.3
324	9.0	116.9	68.9	24	-.6	239.7	101.3	89	-.4	239.7	101.3
325	8.6	125.4	73.4	25	-.5	239.7	101.3	90	-.4	239.7	101.3
326	8.2	133.6	77.6	26	-.4	239.7	101.3	91	-.4	239.7	101.3
327	8.1	141.8	81.8	27	-.4	239.7	101.3	92	-.4	239.7	101.3
328	6.9	148.6	84.6	28	-.3	239.7	101.3	93	-.3	239.7	101.3
329	6.6	155.2	87.2	29	-.3	239.7	101.3	94	-.3	239.7	101.3
330	6.4	161.6	89.6	30	-.2	239.7	101.3	95	-.2	239.7	101.3
331	6.3	167.9	91.9	31	-.2	239.7	101.3	96	.1	239.8	101.3
332	6.1	174.0	94.0	32	-.2	239.7	101.3	97	.3	240.1	101.3
333	5.8	179.8	95.8	33	-.2	239.7	101.3	98	.2	240.3	101.3
334	5.8	185.6	97.6	34	-.1	239.7	101.3	99	.4	240.6	101.3
335	5.7	191.3	99.3	35	-.1	239.7	101.3	100	.3	240.9	101.3
336	5.2	196.5	100.5	36	-.1	239.7	101.3	101	.8	241.8	101.3
337	4.7	201.3	101.3	37	-.1	239.7	101.3	102	1.2	242.9	101.3
338	4.0	205.3	101.3	38	-.1	239.7	101.3	103	.9	243.8	101.3
339	3.9	209.2	101.3	39	-.1	239.7	101.3	104	.7	244.6	101.3
340	3.8	212.9	101.3	40	-.2	239.7	101.3	105	2.1	246.6	101.3
341	3.7	216.7	101.3	41	-.2	239.7	101.3	106	2.9	249.5	101.3
342	3.6	220.2	101.3	42	-.1	239.7	101.3	107	1.5	251.0	101.3
343	2.8	223.1	101.3	43	-.1	239.7	101.3	108	3.3	254.3	101.3
344	1.8	224.8	101.3	44	-.3	239.7	101.3	109	1.9	256.2	101.3
345	1.7	226.5	101.3	45	-.2	239.7	101.3	110	3.6	259.8	101.3
346	1.9	228.3	101.3	46	-.2	239.7	101.3	111	4.7	264.5	102.0
347	1.6	229.9	101.3	47	-.2	239.7	101.3	112	3.8	268.3	102.0
348	1.3	231.2	101.3	48	-.2	239.7	101.3	113	2.1	270.4	102.0
349	1.4	232.6	101.3	49	-.2	239.7	101.3	114	1.6	272.0	102.0
350	1.4	234.0	101.3	50	-.2	239.7	101.3	115	1.3	273.4	102.0
351	1.1	235.0	101.3	51	-.2	239.7	101.3	116	1.5	274.9	102.0
352	.9	236.0	101.3	52	-.2	239.7	101.3	117	2.4	277.2	102.0
353	.9	236.8	101.3	53	-.3	239.7	101.3	118	3.1	280.3	102.0
354	.7	237.6	101.3	54	-.3	239.7	101.3	119	3.0	283.3	102.0
355	.7	238.3	101.3	55	-.3	239.7	101.3	120	3.6	286.9	102.0
356	.7	239.0	101.3	56	-.3	239.7	101.3				
357	.4	239.4	101.3	57	-.2	239.7	101.3				
358	.2	239.6	101.3	58	-.3	239.7	101.3				
359	.0	239.6	101.3	59	-.5	239.7	101.3				
360	-.2	239.6	101.3	60	-.6	239.7	101.3				
361	.1	239.7	101.3	61	-.7	239.7	101.3				
362	-.2	239.7	101.3	62	-.8	239.7	101.3				
363	-.3	239.7	101.3	63	-.8	239.7	101.3				
364	-.6	239.7	101.3	64	-.8	239.7	101.3				
365	-.8	239.7	101.3	65	-.8	239.7	101.3				
1	-1.0	239.7	101.3	66	-.8	239.7	101.3				
2	-.9	239.7	101.3	67	-.9	239.7	101.3				
3	-.9	239.7	101.3	68	-1.0	239.7	101.3				
4	-1.0	239.7	101.3	69	-1.0	239.7	101.3				
5	-1.0	239.7	101.3	70	-1.1	239.7	101.3				
6	-1.0	239.7	101.3	71	-1.1	239.7	101.3				
7	-.9	239.7	101.3	72	-1.1	239.7	101.3				
8	-.9	239.7	101.3	73	-1.0	239.7	101.3				
9	-.9	239.7	101.3	74	-1.0	239.7	101.3				
10	-.8	239.7	101.3	75	-1.0	239.7	101.3				
11	-.8	239.7	101.3	76	-.9	239.7	101.3				
12	-.8	239.7	101.3	77	-.9	239.7	101.3				

STN 463 DEPTH 3M







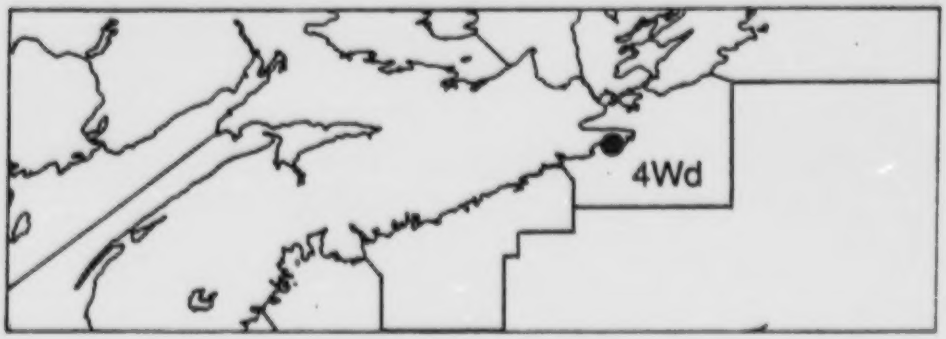
WHITEHAVEN HBR NS (INNER)
45.29N 61.17W 1800Z 09/11/89 - 0600Z 30/04/90
INST. 4393

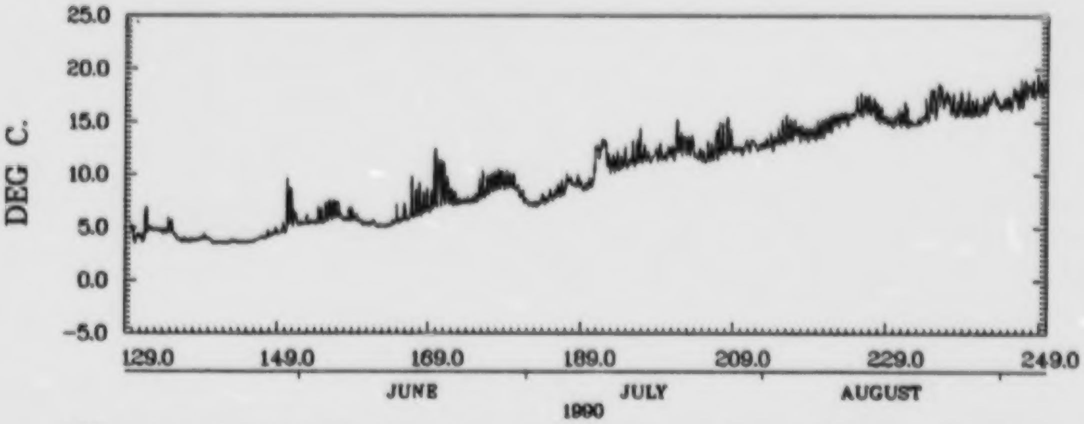
WHITEHAVEN HBR NS (INNER) STA. 4WD 464

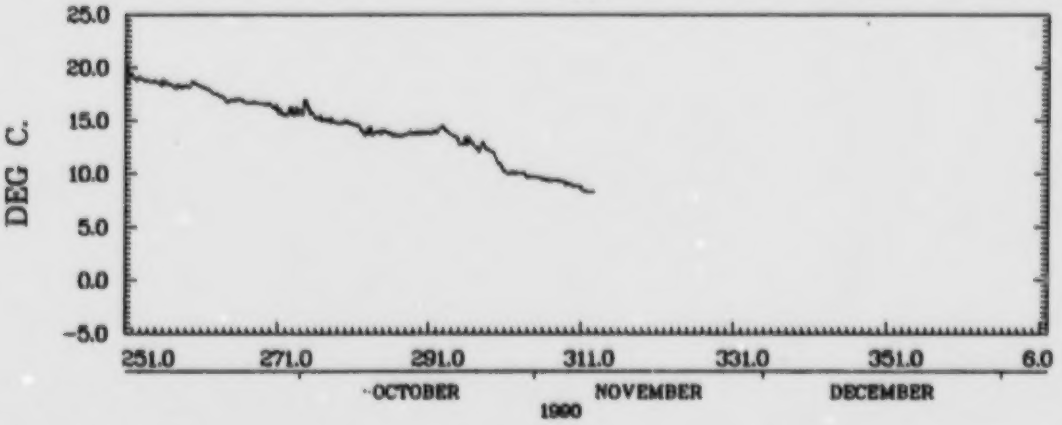
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
5.5M.	5.0M.	45.29	61.17	9/ 5/ 90	8/11/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
129	5.1	5.1	1.1	194	11.2	432.6	171.6	259	18.3	1425.9	905.0
130	4.2	9.3	1.3	195	11.3	443.9	179.0	260	18.4	1444.3	919.3
131	4.7	14.0	2.0	196	11.9	455.8	186.9	261	18.1	1462.3	933.4
132	4.9	18.8	2.8	197	11.8	467.6	194.7	262	17.6	1479.9	947.0
133	4.8	23.6	3.6	198	11.8	479.4	202.4	263	17.3	1497.2	960.3
134	4.8	28.3	4.3	199	11.8	491.2	210.3	264	16.9	1514.1	973.1
135	4.5	32.8	4.8	200	12.0	503.2	218.3	265	17.0	1531.0	986.1
136	3.8	36.6	4.8	201	12.8	516.0	227.1	266	16.8	1547.9	998.9
137	3.8	40.4	4.8	202	12.9	528.9	235.9	267	16.7	1564.6	1011.7
138	3.8	44.2	4.8	203	12.6	541.5	244.6	268	16.7	1581.2	1024.3
139	4.0	48.2	4.8	204	11.7	553.2	252.3	269	16.6	1597.8	1036.9
140	3.7	51.8	4.8	205	11.8	565.0	260.1	270	16.3	1614.1	1049.2
141	3.6	55.4	4.8	206	12.5	577.5	268.5	271	15.7	1629.8	1060.9
142	3.6	59.0	4.8	207	13.0	590.5	277.5	272	15.8	1645.6	1072.7
143	3.7	62.6	4.8	208	13.2	603.6	286.7	273	15.8	1661.4	1084.5
144	3.6	66.2	4.8	209	12.5	616.1	295.1	274	16.3	1677.7	1096.8
145	3.6	69.9	4.8	210	12.6	628.6	303.7	275	15.7	1693.4	1108.5
146	3.9	73.7	4.8	211	12.9	641.5	312.6	276	15.2	1708.6	1119.6
147	4.2	77.9	5.0	212	12.7	654.2	321.3	277	15.0	1723.6	1130.7
148	4.4	82.4	5.4	213	13.0	667.2	330.3	278	14.9	1738.5	1141.6
149	4.6	87.0	6.0	214	13.2	680.4	339.5	279	14.8	1753.3	1152.4
150	6.6	93.6	8.7	215	13.8	694.1	349.2	280	14.8	1768.1	1163.2
151	5.7	99.2	10.3	216	14.2	708.3	359.4	281	14.5	1782.6	1173.7
152	5.5	104.7	11.8	217	14.2	722.5	369.5	282	14.0	1796.5	1183.6
153	5.5	110.2	13.2	218	13.9	736.3	379.4	283	13.9	1810.4	1193.5
154	5.8	116.0	15.1	219	13.9	750.2	389.3	284	13.9	1824.4	1203.5
155	6.2	122.2	17.3	220	14.3	764.5	399.6	285	13.9	1838.3	1213.4
156	6.6	128.8	19.9	221	14.8	779.3	410.4	286	13.6	1851.9	1223.0
157	6.1	134.9	22.0	222	15.3	794.6	421.6	287	13.6	1865.6	1232.6
158	6.0	140.9	24.0	223	15.5	810.1	433.1	288	13.8	1879.4	1242.4
159	5.8	146.7	25.8	224	15.6	825.6	444.7	289	13.8	1893.2	1252.3
160	5.4	152.1	27.2	225	16.4	842.0	457.1	290	13.9	1907.1	1262.1
161	5.4	157.5	28.6	226	16.6	858.6	469.7	291	13.9	1920.9	1272.0
162	5.2	162.7	29.7	227	16.3	874.9	482.0	292	14.3	1935.2	1282.3
163	5.2	167.8	30.9	228	15.5	890.4	493.4	293	14.0	1949.2	1292.3
164	5.6	173.4	32.4	229	15.0	905.4	504.4	294	13.4	1962.6	1301.7
165	5.9	179.3	34.3	230	15.3	920.6	515.7	295	12.9	1975.5	1310.6
166	6.5	185.8	36.8	231	15.5	936.2	527.2	296	13.0	1988.5	1319.5
167	7.0	192.8	39.9	232	14.9	951.1	538.1	297	12.4	2000.9	1327.9
168	7.0	199.8	42.9	233	15.2	966.3	549.4	298	12.5	2013.4	1336.4
169	8.3	208.1	47.2	234	16.3	982.6	561.7	299	11.8	2025.2	1344.3
170	9.5	217.6	52.7	235	17.3	999.9	575.0	300	10.7	2035.9	1351.0
171	8.6	226.2	57.3	236	17.5	1017.4	588.5	301	10.1	2046.0	1357.1
172	7.6	233.7	60.8	237	16.6	1034.0	601.1	302	10.1	2056.1	1363.1
173	7.4	241.1	64.2	238	16.4	1050.4	613.5	303	10.0	2066.0	1369.1
174	7.5	248.6	67.7	239	16.2	1066.6	625.7	304	9.7	2075.7	1374.8
175	8.0	256.6	71.7	240	16.2	1082.8	637.9	305	9.6	2085.4	1380.4
176	8.8	265.3	76.4	241	16.3	1099.2	650.2	306	9.4	2094.8	1385.9
177	9.2	274.6	81.6	242	17.0	1116.1	663.2	307	9.4	2104.2	1391.3
178	9.4	284.0	87.0	243	16.8	1133.0	676.0	308	9.3	2113.4	1396.5
179	9.3	293.2	92.3	244	16.8	1149.8	688.9	309	9.0	2122.5	1401.5
180	8.8	302.0	97.1	245	17.2	1167.0	702.0	310	8.9	2131.3	1406.4
181	7.8	309.8	100.9	246	17.4	1184.3	715.4	311	8.4	2139.7	1410.8
182	7.2	317.0	104.1	247	18.2	1202.5	729.5	312	8.3	2148.0	1415.1
183	7.4	324.4	107.5	248	18.3	1220.8	743.8				
184	7.7	332.1	111.2	249	18.4	1239.1	758.2				
185	8.1	340.2	115.3	250	18.9	1258.0	773.1				
186	8.6	348.8	119.9	251	19.6	1277.6	788.7				
187	9.4	358.2	125.3	252	19.0	1296.6	803.7				
188	9.2	367.4	130.4	253	18.8	1315.4	818.5				
189	8.8	376.2	135.3	254	18.7	1334.1	833.2				
190	9.9	386.1	141.1	255	18.5	1352.6	847.7				
191	12.6	398.6	149.7	256	18.5	1371.1	862.2				
192	11.7	410.3	157.4	257	18.2	1389.3	876.4				
193	11.0	421.4	164.4	258	18.2	1407.6	890.6				

STN 464 DEPTH 5M







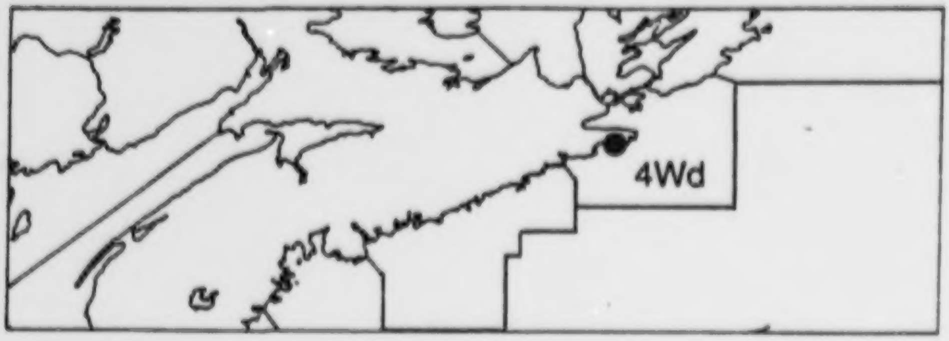
WHITEHAVEN HBR NS (INNER)
45.29N 61.17W 1900Z 09/05/90 - 1700Z 08/11/90
INST. 4391

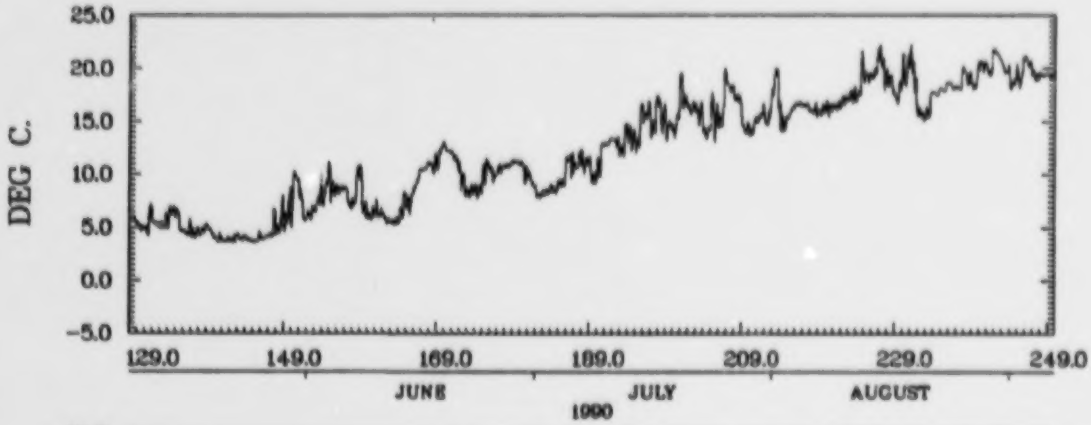
WHITEHAVEN HBR NS (INNER) STA. 4WD 465

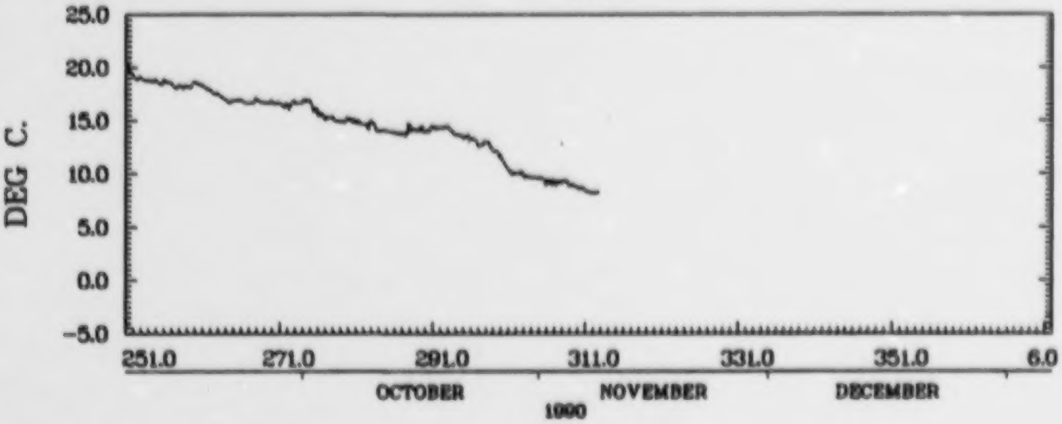
WATER DEPTH 5.5M. INST DEPTH 3.0M. LATITUDE 45.29 LONGITUDE 61.17 FROM 9/ 5/ 90 TO 8/11/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
129	5.6	5.6	1.6	194	13.8	528.6	265.3	259	18.3	1675.9	1152.6
130	5.0	10.6	2.6	195	14.0	542.6	275.3	260	18.4	1694.3	1167.0
131	5.7	16.2	4.2	196	15.9	558.5	287.2	261	18.0	1712.3	1181.1
132	5.3	21.6	5.6	197	15.1	573.6	298.3	262	17.6	1729.9	1194.6
133	5.3	26.9	6.9	198	16.0	589.6	310.3	263	17.2	1747.1	1207.8
134	6.3	33.3	9.3	199	14.5	604.0	320.8	264	16.8	1763.9	1220.6
135	5.6	38.9	10.9	200	15.1	619.2	331.9	265	16.9	1780.8	1233.6
136	4.7	43.5	11.5	201	17.5	636.6	345.4	266	16.7	1797.6	1246.3
137	4.5	48.0	12.0	202	16.2	652.8	357.6	267	16.8	1814.4	1259.1
138	4.7	52.8	12.8	203	15.8	668.6	369.4	268	16.8	1831.2	1271.9
139	4.7	57.4	13.4	204	14.1	682.7	379.4	269	16.7	1847.9	1284.6
140	3.9	61.4	13.4	205	15.8	698.4	391.2	270	16.6	1864.5	1297.2
141	3.8	65.1	13.4	206	16.4	714.8	403.5	271	16.5	1881.0	1309.7
142	3.9	69.0	13.4	207	18.3	733.1	417.8	272	16.5	1897.5	1322.2
143	4.0	73.0	13.5	208	17.2	750.3	431.0	273	16.7	1914.1	1334.9
144	3.9	76.9	13.5	209	14.5	764.8	441.6	274	16.9	1931.0	1347.7
145	3.8	80.7	13.5	210	14.4	779.3	452.0	275	16.1	1947.2	1359.9
146	4.1	84.8	13.5	211	15.6	794.8	463.6	276	15.5	1962.6	1371.3
147	4.9	89.7	14.4	212	15.4	810.3	475.0	277	15.3	1977.9	1382.6
148	5.5	95.2	16.0	213	18.6	828.9	489.6	278	15.0	1992.9	1393.6
149	6.3	101.5	18.3	214	15.0	843.9	500.6	279	15.0	2007.9	1404.6
150	8.8	110.4	23.1	215	15.9	859.8	512.5	280	15.0	2022.8	1415.6
151	7.1	117.4	26.2	216	16.6	876.4	525.2	281	14.7	2037.6	1426.3
152	6.3	123.7	28.4	217	16.5	892.9	537.6	282	14.6	2052.2	1436.9
153	7.6	131.3	32.0	218	16.0	908.9	549.6	283	14.4	2066.5	1447.3
154	8.8	140.1	36.8	219	16.1	925.0	561.7	284	14.1	2080.6	1457.3
155	9.0	149.1	41.8	220	16.3	941.3	574.0	285	14.0	2094.6	1467.3
156	8.6	157.7	46.5	221	16.5	957.8	586.5	286	13.8	2108.4	1477.1
157	7.8	165.5	50.2	222	17.0	974.8	599.6	287	14.0	2122.4	1487.1
158	8.8	174.3	55.0	223	17.5	992.4	613.1	288	14.2	2136.6	1497.3
159	7.7	182.0	58.7	224	18.5	1010.8	627.6	289	14.2	2150.8	1507.5
160	6.2	188.2	60.9	225	19.2	1030.1	642.8	290	14.2	2165.0	1517.7
161	6.4	194.6	63.3	226	20.0	1050.1	658.8	291	14.4	2179.3	1528.1
162	5.8	200.3	65.1	227	20.2	1070.3	675.0	292	14.4	2193.8	1538.5
163	5.5	205.9	66.6	228	18.5	1088.8	689.5	293	14.0	2207.8	1548.5
164	6.7	212.6	69.3	229	17.9	1106.7	703.4	294	13.7	2221.4	1558.2
165	7.5	220.1	72.8	230	19.9	1126.6	719.3	295	13.5	2234.9	1567.6
166	9.4	229.5	78.2	231	19.1	1145.7	734.5	296	13.2	2248.1	1576.8
167	10.6	240.0	84.8	232	15.7	1161.4	746.2	297	12.8	2260.9	1585.7
168	10.9	251.0	91.7	233	16.5	1177.9	758.6	298	12.7	2273.6	1594.3
169	11.9	262.9	99.6	234	17.8	1195.6	772.4	299	12.0	2285.6	1602.3
170	12.3	275.2	108.0	235	18.2	1213.8	786.5	300	10.9	2296.5	1609.2
171	11.5	286.7	115.4	236	18.4	1232.2	800.9	301	10.1	2306.6	1615.3
172	9.5	296.2	120.9	237	18.7	1250.9	815.6	302	10.1	2316.7	1621.4
173	8.4	304.6	125.3	238	19.3	1270.2	830.9	303	9.8	2326.4	1627.2
174	8.6	313.2	129.9	239	18.9	1289.0	845.7	304	9.7	2336.1	1632.8
175	10.3	323.5	136.2	240	20.3	1309.3	862.1	305	9.4	2345.5	1638.3
176	10.1	333.6	142.3	241	20.3	1329.6	878.4	306	9.3	2354.8	1643.6
177	10.6	344.2	148.9	242	21.2	1350.9	895.6	307	9.2	2364.0	1648.8
178	10.9	355.1	155.8	243	20.0	1370.8	911.5	308	9.2	2373.3	1654.0
179	11.2	366.2	163.0	244	18.7	1389.5	926.3	309	8.9	2382.2	1658.9
180	10.4	376.7	169.4	245	19.6	1409.1	941.8	310	8.6	2390.8	1663.6
181	9.5	386.1	174.9	246	20.5	1429.6	958.3	311	8.3	2399.1	1667.8
182	8.2	394.3	179.0	247	19.4	1449.0	973.7	312	8.3	2407.4	1672.1
183	8.3	402.6	183.4	248	19.5	1468.4	989.2				
184	8.7	411.3	188.0	249	19.3	1487.8	1004.5				
185	9.4	420.6	193.4	250	19.8	1507.5	1020.3				
186	11.4	432.0	200.7	251	19.8	1527.3	1036.1				
187	11.0	443.0	207.7	252	19.0	1546.3	1051.1				
188	11.2	454.1	214.9	253	18.8	1565.2	1065.9				
189	10.1	464.2	221.0	254	18.8	1583.9	1080.6				
190	11.5	475.7	228.5	255	18.6	1602.5	1095.2				
191	13.0	488.8	237.5	256	18.6	1621.2	1109.9				
192	13.1	501.8	246.5	257	18.2	1639.4	1124.1				
193	13.0	514.8	255.6	258	18.2	1657.6	1138.3				

STN 465 DEPTH 3M







WHITEHAVEN HBR NS (INNER)
45.29N 61.17W 1800Z 09/05/90 - 1700Z 08/11/90
INST. 4394

BIO MARINA (DARTMOUTH) NS

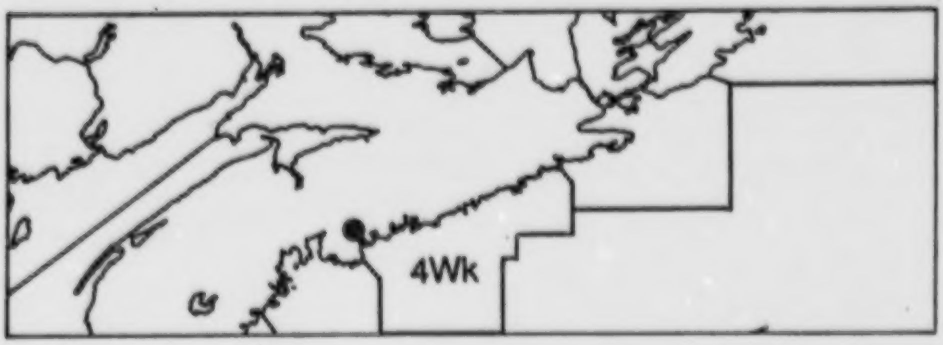
STA. 4WK 414

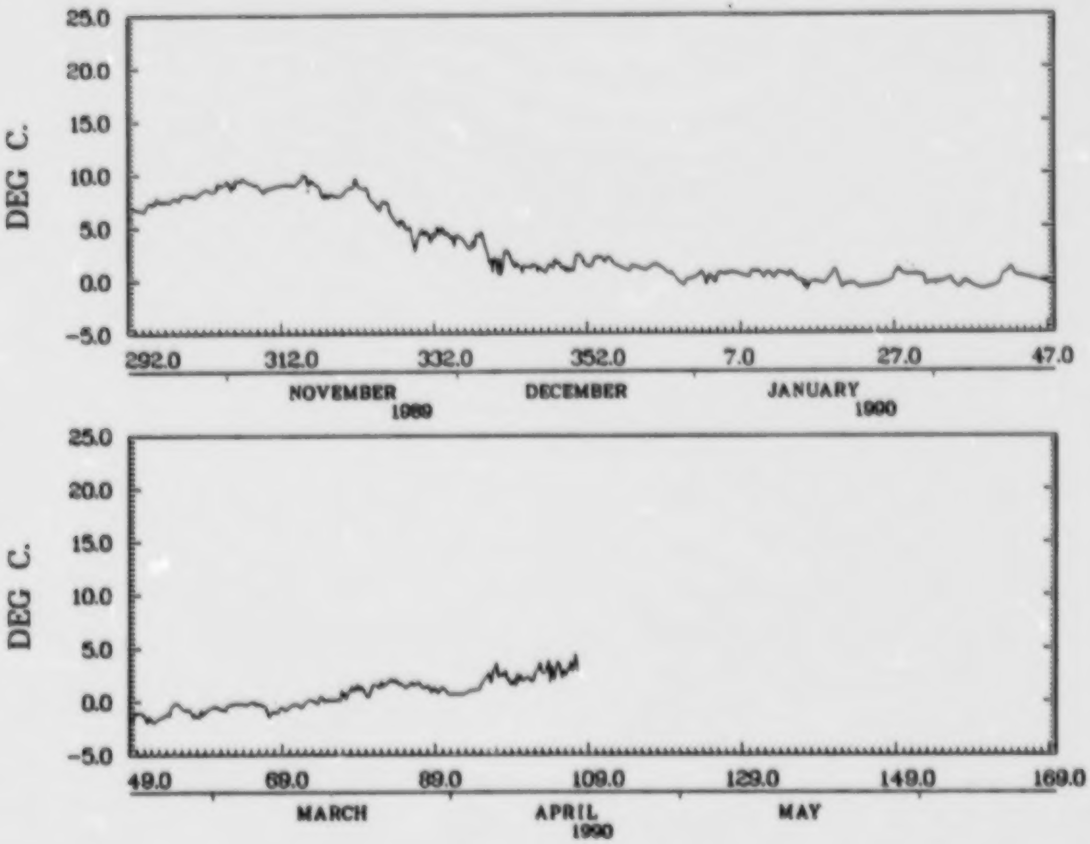
WATER DEPTH 2.0M.   INST DEPTH 2.0M.   LATITUDE 44.70   LONGITUDE 63.61

FROM 19/10/ 89   TO 17/ 4/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
292	6.8	6.8	2.8	357	1.1	368.8	153.7	57	-1.2	386.8	153.7
293	6.7	13.5	5.5	358	1.3	370.1	153.7	58	-1.2	386.8	153.7
294	6.9	20.4	8.4	359	1.0	371.1	153.7	59	-.7	386.8	153.7
295	7.4	27.8	11.8	360	1.3	372.4	153.7	60	-.5	386.8	153.7
296	7.5	35.3	15.3	361	1.3	373.8	153.7	61	-.7	386.8	153.7
297	7.5	42.8	18.8	362	.8	374.6	153.7	62	-.3	386.8	153.7
298	7.7	50.5	22.5	363	.3	374.9	153.7	63	-.2	386.8	153.7
299	8.0	58.5	26.5	364	-.3	374.9	153.7	64	-.3	386.8	153.7
300	8.0	66.5	30.5	365	.1	375.0	153.7	65	-.2	386.8	153.7
301	8.2	74.7	34.7	1	.4	375.5	153.7	66	-.4	386.8	153.7
302	8.5	83.3	39.3	2	.2	375.6	153.7	67	-1.1	386.8	153.7
303	8.6	91.9	43.9	3	.1	375.8	153.7	68	-.9	386.8	153.7
304	9.0	100.9	48.9	4	.6	376.4	153.7	69	-.7	386.8	153.7
305	9.1	109.9	53.9	5	.6	377.0	153.7	70	-.3	386.8	153.7
306	9.3	119.2	59.2	6	.7	377.7	153.7	71	-.4	386.8	153.7
307	9.5	128.7	64.7	7	.4	378.1	153.7	72	.1	386.9	153.7
308	9.1	137.8	69.8	8	.7	378.8	153.7	73	.0	386.9	153.7
309	8.6	146.4	74.4	9	.7	379.5	153.7	74	.2	387.1	153.7
310	8.7	155.1	79.1	10	.6	380.1	153.7	75	.1	387.2	153.7
311	8.9	164.0	84.0	11	.5	380.5	153.7	76	.3	387.5	153.7
312	9.0	173.0	89.0	12	.7	381.2	153.7	77	.7	388.1	153.7
313	9.0	182.0	94.0	13	.6	381.8	153.7	78	1.2	389.3	153.7
314	9.4	191.5	99.5	14	.1	381.9	153.7	79	1.1	390.5	153.7
315	9.6	201.0	105.0	15	-.4	381.9	153.7	80	.8	391.3	153.7
316	9.2	210.2	110.2	16	-.2	381.9	153.7	81	1.5	392.8	153.7
317	8.2	218.4	114.4	17	-.3	381.9	153.7	82	1.6	394.4	153.7
318	8.0	226.4	118.4	18	.0	381.9	153.7	83	2.0	396.4	153.7
319	8.0	234.4	122.4	19	.7	382.6	153.7	84	1.6	398.0	153.7
320	8.4	242.8	126.8	20	-.5	382.6	153.7	85	1.5	399.5	153.7
321	9.0	251.8	131.8	21	-.4	382.6	153.7	86	1.7	401.2	153.7
322	8.8	260.6	136.6	22	-.6	382.6	153.7	87	1.4	402.6	153.7
323	8.2	268.8	140.8	23	-.8	382.6	153.7	88	1.2	403.8	153.7
324	7.1	275.9	143.9	24	-.6	382.6	153.7	89	1.1	404.8	153.7
325	7.2	283.1	147.1	25	-.4	382.6	153.7	90	1.0	405.8	153.7
326	6.3	289.4	149.4	26	-.1	382.6	153.7	91	.7	406.5	153.7
327	5.4	294.8	150.8	27	.8	383.4	153.7	92	.7	407.2	153.7
328	5.1	299.9	151.9	28	.5	383.9	153.7	93	.9	408.1	153.7
329	3.6	303.5	151.9	29	.5	384.4	153.7	94	1.1	409.2	153.7
330	4.5	308.0	152.4	30	.4	384.9	153.7	95	2.0	411.2	153.7
331	4.2	312.2	152.6	31	-.4	384.9	153.7	96	2.5	413.7	153.7
332	4.6	316.8	153.1	32	-.2	384.9	153.7	97	2.6	416.3	153.7
333	4.6	321.3	153.7	33	-.1	384.9	153.7	98	2.1	418.5	153.7
334	3.9	325.2	153.7	34	-.1	384.9	153.7	99	1.9	420.4	153.7
335	4.0	329.3	153.7	35	-.6	384.9	153.7	100	2.1	422.5	153.7
336	3.2	332.5	153.7	36	-.2	384.9	153.7	101	2.0	424.5	153.7
337	3.8	336.3	153.7	37	-.6	384.9	153.7	102	3.1	427.6	153.7
338	3.8	340.1	153.7	38	-.9	384.9	153.7	103	3.1	430.6	153.7
339	1.7	341.8	153.7	39	-.7	384.9	153.7	104	2.6	433.2	153.7
340	1.3	343.1	153.7	40	-.4	384.9	153.7	105	2.9	436.2	153.7
341	2.5	345.6	153.7	41	.6	385.5	153.7	106	3.0	439.2	153.7
342	1.6	347.1	153.7	42	.8	386.3	153.7	107	3.4	442.6	153.7
343	1.2	348.3	153.7	43	.3	386.6	153.7				
344	1.3	349.6	153.7	44	.2	386.8	153.7				
345	1.2	350.8	153.7	45	.0	386.8	153.7				
346	.9	351.8	153.7	46	-.2	386.8	153.7				
347	1.5	353.3	153.7	47	-.4	386.8	153.7				
348	1.4	354.7	153.7	48	-.8	386.8	153.7				
349	1.0	355.7	153.7	49	-1.5	386.8	153.7				
350	1.7	357.4	153.7	50	-1.1	386.8	153.7				
351	1.9	359.3	153.7	51	-1.6	386.8	153.7				
352	1.4	360.7	153.7	52	-1.8	386.8	153.7				
353	2.2	362.9	153.7	53	-1.4	386.8	153.7				
354	2.0	364.8	153.7	54	-.8	386.8	153.7				
355	1.7	366.5	153.7	55	-.3	386.8	153.7				
356	1.2	367.8	153.7	56	-.7	386.8	153.7				

STN 414 DEPTH 2M





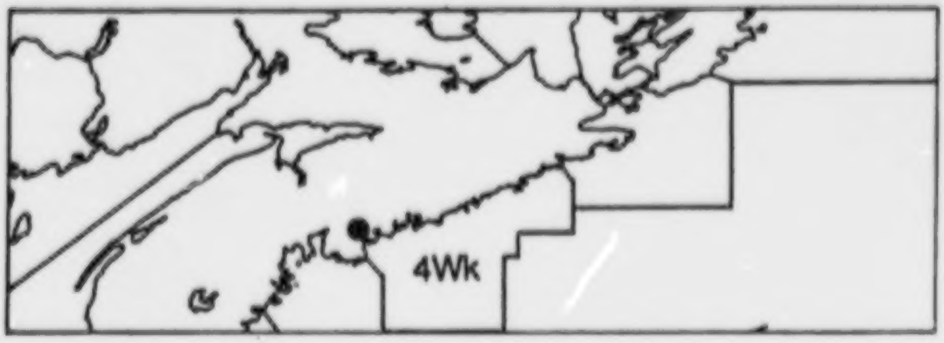
BIO MARINA (DARTMOUTH) NS
44.70N 63.61W 1600Z 19/10/89 - 1200Z 17/04/90
INST. 63335

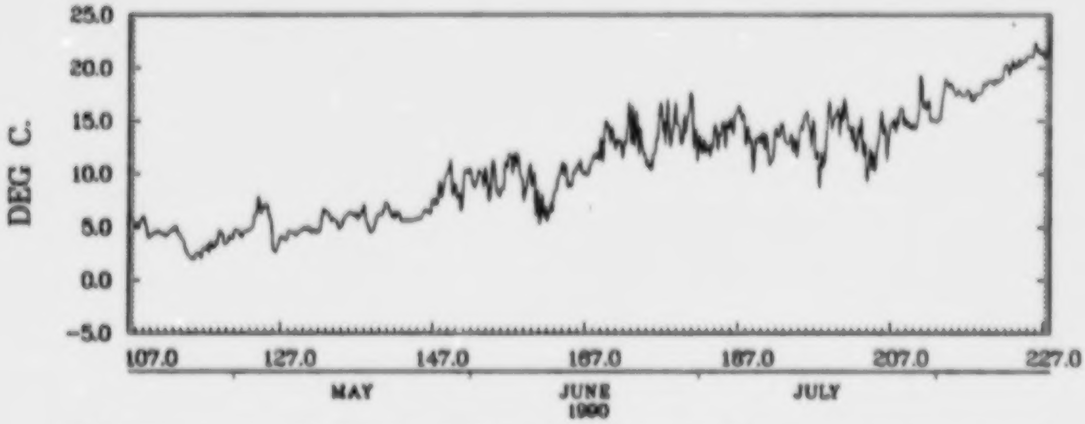
BIO MARINA (DARTMOUTH) NS STA. 4WK 417

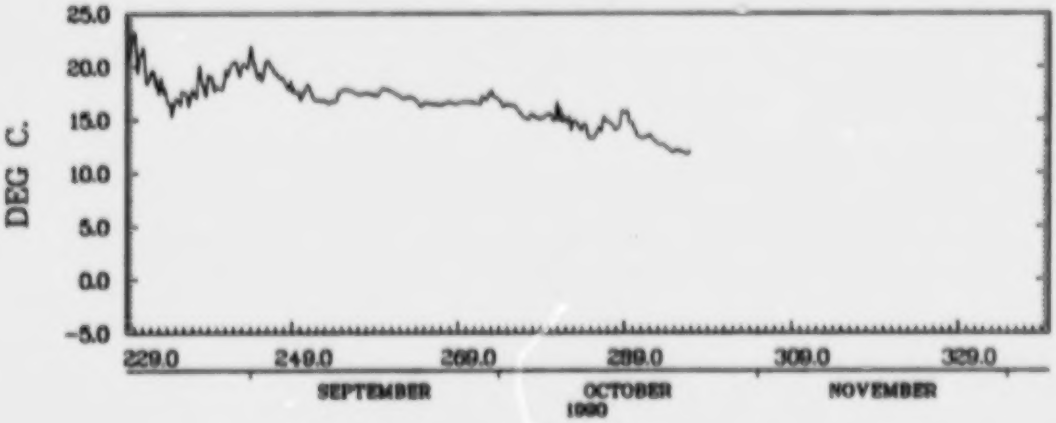
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
2.0M.	2.0M.	44.70	63.61	17/ 4/ 90	23/10/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
107	5.4	5.4	1.4
108	5.3	10.7	2.7
109	5.0	15.6	3.6
110	4.4	20.0	4.0
111	4.4	24.4	4.4
112	4.5	28.9	4.9
113	4.7	33.6	5.6
114	3.3	36.9	5.6
115	2.1	39.0	5.6
116	2.5	41.5	5.6
117	3.1	44.5	5.6
118	3.4	48.0	5.6
119	4.1	52.1	5.7
120	3.9	56.0	5.7
121	4.5	60.5	6.2
122	4.5	65.0	6.7
123	5.4	70.4	8.1
124	7.0	77.4	11.1
125	6.4	83.7	13.5
126	3.0	86.7	13.5
127	4.0	90.7	13.5
128	4.5	95.2	14.0
129	4.5	99.7	14.5
130	4.9	104.6	15.4
131	4.6	109.2	16.0
132	5.6	114.9	17.6
133	6.1	120.9	19.7
134	5.4	126.3	21.1
135	5.8	132.1	22.9
136	6.3	138.3	25.1
137	6.2	144.6	27.3
138	5.4	150.0	28.7
139	5.3	155.3	30.1
140	6.6	161.9	32.7
141	6.5	168.4	35.2
142	6.1	174.4	37.2
143	5.6	180.1	38.8
144	5.7	185.7	40.5
145	6.0	191.7	42.5
146	6.6	198.3	45.1
147	7.7	206.0	48.8
148	9.0	215.0	53.8
149	9.7	224.7	59.5
150	7.7	232.4	63.2
151	10.1	242.5	69.3
152	9.2	251.8	74.5
153	10.0	261.7	80.5
154	9.1	270.8	85.5
155	9.0	279.7	90.5
156	9.7	289.5	96.2
157	11.4	300.9	103.7
158	10.4	311.3	110.1
159	9.3	320.6	115.4
160	8.4	329.0	119.7
161	6.4	335.4	122.1
162	6.7	342.1	124.8
163	9.5	351.5	130.3
164	10.0	361.5	136.2
165	9.7	371.2	141.9
166	10.5	381.7	148.5
167	10.4	392.1	154.8
168	11.6	403.7	162.5
169	13.4	417.1	171.9
170	13.7	430.8	181.6
171	12.7	443.5	190.3
172	13.9	457.4	200.2
173	14.1	471.5	210.3
174	12.6	484.1	218.9
175	11.0	495.0	225.8
176	13.8	508.9	235.6
177	14.9	523.8	246.6
178	14.5	538.3	257.0
179	13.9	552.1	266.9
180	15.7	567.9	278.6
181	13.4	581.3	288.1
182	12.6	594.0	296.7
183	12.6	606.6	305.3
184	13.8	620.3	315.1
185	14.3	634.6	325.4
186	15.1	649.8	336.6
187	15.7	665.5	348.2
188	13.2	678.7	357.4
189	12.5	691.2	365.9
190	13.2	704.4	375.1
191	11.8	716.2	383.0
192	14.1	730.3	393.1
193	13.2	743.5	402.2
194	12.7	756.1	410.9
195	14.6	770.7	421.5
196	14.4	785.1	431.9
197	11.6	796.7	439.5
198	12.7	809.3	448.1
199	15.5	824.8	459.6
200	15.3	840.1	470.9
201	15.2	855.3	482.1
202	13.3	868.6	491.3
203	12.7	881.3	500.0
204	11.0	892.3	507.1
205	13.3	905.6	516.4
206	13.4	919.0	525.8
207	14.7	933.7	536.5
208	15.5	949.3	548.0
209	14.6	963.9	558.7
210	15.6	979.5	570.2
211	16.9	996.3	583.1
212	15.4	1011.7	594.5
213	15.7	1027.4	606.2
214	18.5	1045.9	620.7
215	17.8	1063.7	634.5
216	17.5	1081.2	648.0
217	17.5	1098.6	661.4
218	17.5	1116.2	674.9
219	18.5	1134.6	689.4
220	18.7	1153.3	704.1
221	19.0	1172.4	719.1
222	20.0	1192.4	735.1
223	20.4	1212.8	751.5
224	20.6	1233.4	768.2
225	21.3	1254.7	785.5
226	21.7	1276.4	803.2
227	21.5	1297.9	820.7
228	21.8	1319.7	838.5
229	21.7	1341.5	856.2
230	21.3	1362.7	873.5
231	19.7	1382.4	889.2
232	18.8	1401.3	904.0
233	17.9	1419.2	917.9
234	16.3	1435.5	930.3
235	17.0	1452.5	943.3
236	17.1	1469.7	956.5
237	18.1	1487.8	970.5
238	18.3	1506.1	984.8
239	18.5	1524.5	999.3
240	18.0	1542.6	1013.3
241	19.8	1562.3	1029.1
242	19.9	1582.2	1045.0
243	20.2	1602.4	1061.2
244	20.4	1622.8	1077.5
245	19.4	1642.2	1093.0
246	20.0	1662.2	1109.0
247	19.1	1681.3	1124.1
248	18.3	1699.7	1138.5
249	17.6	1717.3	1152.1
250	17.6	1734.9	1165.7
251	17.4	1752.3	1179.0
252	16.8	1769.1	1191.8
253	16.7	1785.7	1204.5
254	17.1	1802.9	1217.6
255	17.8	1820.6	1231.4
256	17.6	1838.2	1245.0
257	17.4	1855.7	1258.4
258	17.4	1873.1	1271.9
259	17.5	1890.6	1285.4
260	17.8	1908.4	1299.2
261	17.5	1925.9	1312.7
262	17.1	1943.0	1325.8
263	17.1	1960.1	1338.8
264	16.5	1976.5	1351.3
265	16.6	1993.1	1363.8
266	16.4	2009.5	1376.3
267	16.5	2026.0	1388.8
268	16.5	2042.6	1401.3
269	16.6	2059.2	1414.0
270	16.6	2075.8	1426.6
271	16.6	2092.5	1439.2
272	17.1	2109.6	1452.4
273	17.2	2126.8	1465.6
274	16.5	2143.3	1478.1
275	16.4	2159.7	1490.4
276	15.7	2175.3	1502.1
277	15.2	2190.5	1513.3
278	15.2	2205.8	1524.5
279	15.3	2221.1	1535.8
280	15.4	2236.5	1547.2
281	15.3	2251.7	1558.5
282	14.6	2266.4	1569.2
283	14.5	2280.9	1579.6
284	14.0	2294.9	1589.6
285	13.5	2308.4	1599.1
286	14.7	2323.0	1609.8
287	14.5	2337.6	1620.4
288	14.9	2352.5	1631.3
289	15.2	2367.7	1642.5
290	13.8	2381.5	1652.3
291	13.4	2394.9	1661.7
292	13.2	2408.1	1670.8
293	12.7	2420.7	1679.5
294	12.2	2432.9	1687.7
295	12.1	2445.0	1695.8
296	11.9	2456.9	1703.7

STN 417 DEPTH 2M







BIO MARINA (DARTMOUTH) NS
44.70N 63.61W 2000Z 17/04/90 - 2000Z 23/10/90
INST. 63299

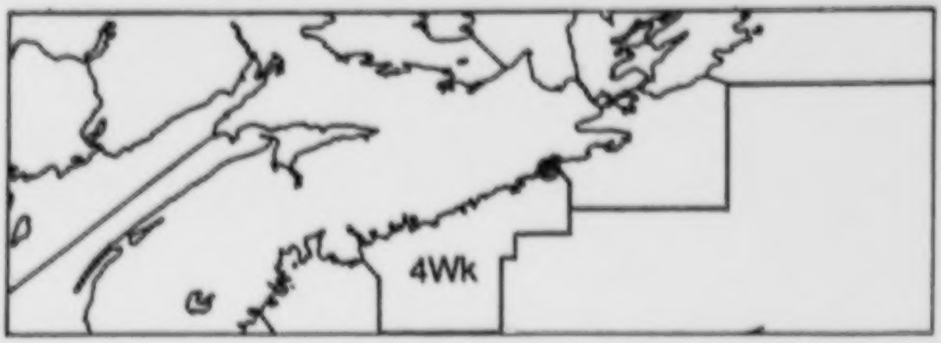
PORT BICKERTON NS

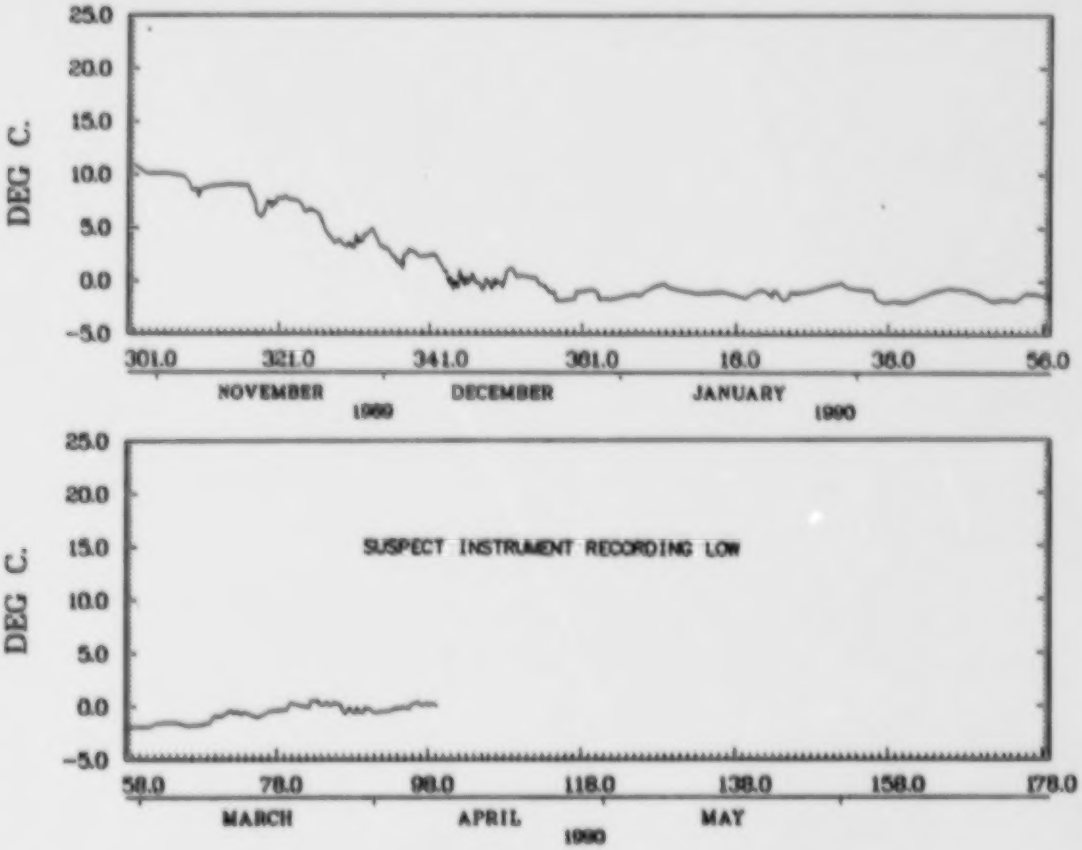
STA. 4WK 421

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
4.0M.	4.0M..	45.05	61.75	28/10/ 89	9/ 4/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
301	11.0	11.0	7.0	1	-1.4	277.3	122.0	66	-1.8	277.3	122.0
302	10.7	21.6	13.6	2	-1.3	277.3	122.0	67	-1.8	277.3	122.0
303	10.2	31.8	19.8	3	-1.3	277.3	122.0	68	-1.7	277.3	122.0
304	10.1	42.0	26.0	4	-.9	277.3	122.0	69	-1.3	277.3	122.0
305	10.1	52.1	32.1	5	-.5	277.3	122.0	70	-.9	277.3	122.0
306	10.1	62.2	38.2	6	-.3	277.3	122.0	71	-.8	277.3	122.0
307	10.0	72.2	44.2	7	-.6	277.3	122.0	72	-.5	277.3	122.0
308	9.8	82.0	50.0	8	-.8	277.3	122.0	73	-.6	277.3	122.0
309	8.9	90.8	54.8	9	-1.0	277.3	122.0	74	-.7	277.3	122.0
310	8.5	99.3	59.3	10	-1.1	277.3	122.0	75	-.9	277.3	122.0
311	8.8	108.1	64.1	11	-1.1	277.3	122.0	76	-.7	277.3	122.0
312	8.9	117.1	69.1	12	-1.1	277.3	122.0	77	-.4	277.3	122.0
313	9.0	126.1	74.1	13	-1.0	277.3	122.0	78	-.4	277.3	122.0
314	9.1	135.1	79.1	14	-1.0	277.3	122.0	79	-.1	277.3	122.0
315	9.0	144.2	84.2	15	-1.2	277.3	122.0	80	.2	277.5	122.0
316	9.0	153.2	89.2	16	-1.4	277.3	122.0	81	.0	277.5	122.0
317	8.1	161.3	93.3	17	-1.4	277.3	122.0	82	.2	277.7	122.0
318	6.3	167.6	95.6	18	-1.0	277.3	122.0	83	.4	278.1	122.0
319	7.1	174.6	98.6	19	-.9	277.3	122.0	84	.2	278.4	122.0
320	7.4	182.1	102.1	20	-1.2	277.3	122.0	85	.2	278.6	122.0
321	7.8	189.9	105.9	21	-1.2	277.3	122.0	86	.0	278.6	122.0
322	7.7	197.6	109.6	22	-1.7	277.3	122.0	87	-.4	278.6	122.0
323	7.5	205.1	113.1	23	-1.1	277.3	122.0	88	-.5	278.6	122.0
324	6.7	211.8	115.8	24	-1.1	277.3	122.0	89	-.4	278.6	122.0
325	6.7	218.5	118.5	25	-1.0	277.3	122.0	90	-.3	278.6	122.0
326	6.0	224.5	120.5	26	-.8	277.3	122.0	91	-.6	278.6	122.0
327	4.5	229.1	121.1	27	-.6	277.3	122.0	92	-.5	278.6	122.0
328	3.7	232.8	121.1	28	-.4	277.3	122.0	93	-.3	278.6	122.0
329	3.6	236.3	121.1	29	-.3	277.3	122.0	94	-.1	278.6	122.0
330	3.3	239.7	121.1	30	-.4	277.3	122.0	95	-.1	278.6	122.0
331	3.8	243.5	121.1	31	-.7	277.3	122.0	96	.3	278.9	122.0
332	4.2	247.7	121.3	32	-.8	277.3	122.0	97	.2	279.1	122.0
333	4.7	252.4	122.0	33	-.8	277.3	122.0	98	.2	279.3	122.0
334	3.5	255.8	122.0	34	-1.5	277.3	122.0	99	.1	279.4	122.0
335	2.9	258.7	122.0	35	-2.0	277.3	122.0				
336	2.1	260.8	122.0	36	-1.9	277.3	122.0				
337	2.0	262.8	122.0	37	-1.9	277.3	122.0				
338	2.8	265.6	122.0	38	-1.9	277.3	122.0				
339	2.4	268.0	122.0	39	-1.7	277.3	122.0				
340	2.3	270.4	122.0	40	-1.4	277.3	122.0				
341	2.4	272.8	122.0	41	-1.1	277.3	122.0				
342	1.5	274.2	122.0	42	-.9	277.3	122.0				
343	.3	274.6	122.0	43	-.7	277.3	122.0				
344	-.2	274.6	122.0	44	-.7	277.3	122.0				
345	.1	274.7	122.0	45	-.8	277.3	122.0				
346	.2	274.8	122.0	46	-1.0	277.3	122.0				
347	-.3	274.8	122.0	47	-1.2	277.3	122.0				
348	-.2	274.8	122.0	48	-1.5	277.3	122.0				
349	-.2	274.8	122.0	49	-1.8	277.3	122.0				
350	-.2	274.8	122.0	50	-1.8	277.3	122.0				
351	1.1	275.9	122.0	51	-1.7	277.3	122.0				
352	.5	276.5	122.0	52	-1.8	277.3	122.0				
353	.5	276.9	122.0	53	-1.3	277.3	122.0				
354	.3	277.3	122.0	54	-1.1	277.3	122.0				
355	-.3	277.3	122.0	55	-1.2	277.3	122.0				
356	-.8	277.3	122.0	56	-1.5	277.3	122.0				
357	-1.4	277.3	122.0	57	-2.1	277.3	122.0				
358	-1.8	277.3	122.0	58	-2.0	277.3	122.0				
359	-1.7	277.3	122.0	59	-1.9	277.3	122.0				
360	-1.1	277.3	122.0	60	-1.9	277.3	122.0				
361	-.9	277.3	122.0	61	-1.8	277.3	122.0				
362	-.9	277.3	122.0	62	-1.6	277.3	122.0				
363	-1.6	277.3	122.0	63	-1.5	277.3	122.0				
364	-1.7	277.3	122.0	64	-1.5	277.3	122.0				
365	-1.6	277.3	122.0	65	-1.6	277.3	122.0				

STN 421 DEPTH 4M





PORT BICKERTON NS
45.05N 61.75W 1630Z 28/10/89 - 0430Z 09/04/90
INST. 60990

STA. 4MK 422

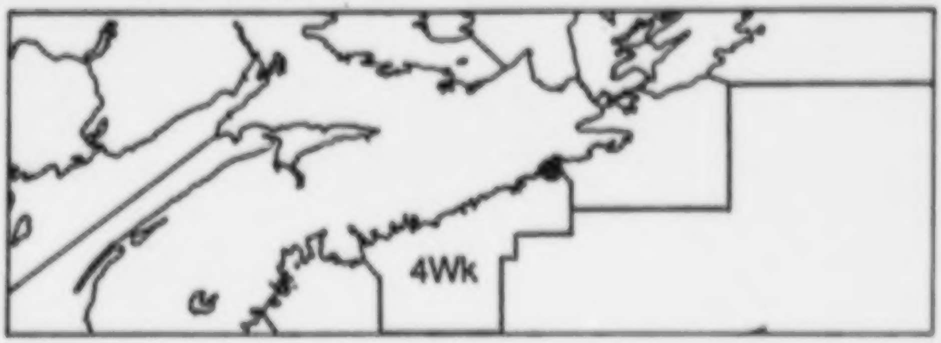
PORT BICKERTON NS

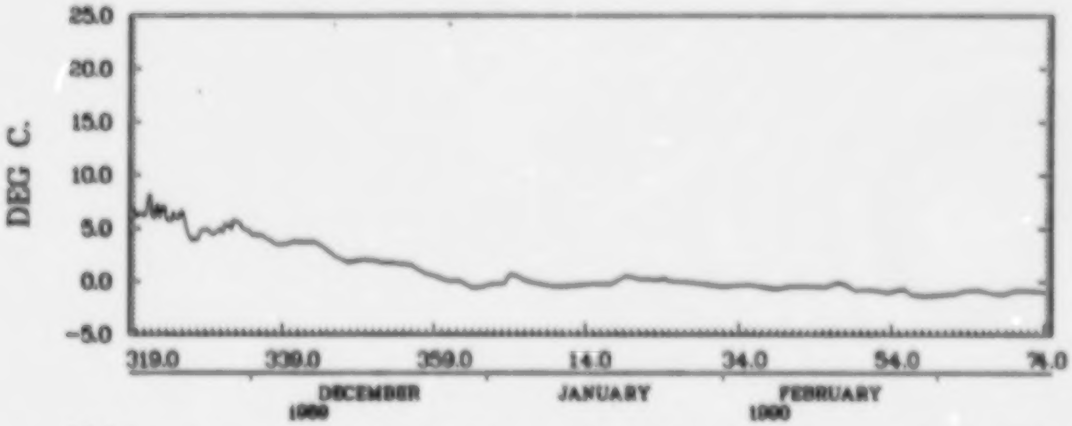
WATER DEPTH 22.0M. INST DEPTH 22.0M. LATITUDE 45.05 LONGITUDE 61.75

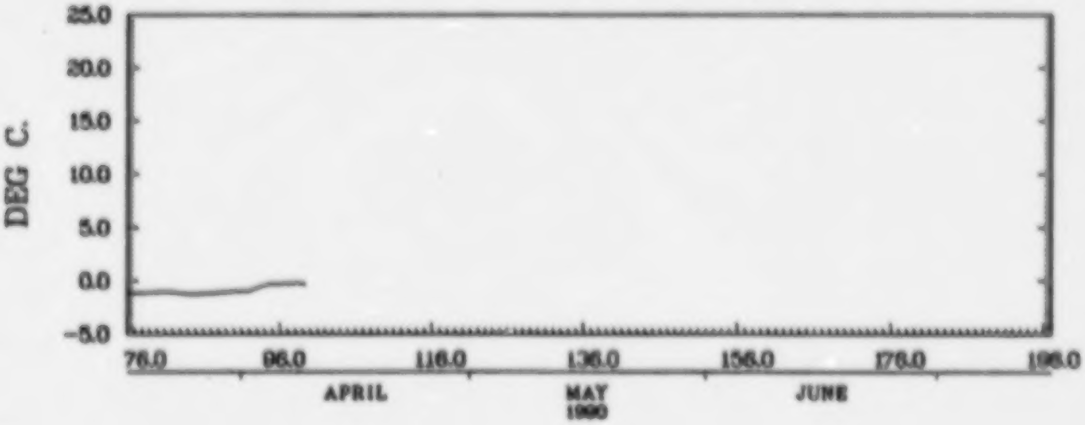
FROM 15/11/ 89 TO 9/ 4/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
319	6.6	6.6	2.6
320	6.3	12.9	4.9
321	7.2	20.1	8.1
322	6.5	26.6	10.6
323	6.6	33.3	13.3
324	5.9	39.2	15.2
325	6.1	45.3	17.3
326	5.4	50.7	18.7
327	3.9	54.6	18.7
328	4.6	59.2	19.2
329	4.7	63.9	20.0
330	4.7	68.6	20.6
331	5.1	73.6	21.7
332	5.4	79.1	23.1
333	5.4	84.5	24.5
334	4.8	89.3	25.4
335	4.4	93.7	25.7
336	4.3	97.9	26.0
337	3.9	101.8	26.0
338	3.5	105.3	26.0
339	3.5	108.8	26.0
340	3.7	112.5	26.0
341	3.7	116.2	26.0
342	3.7	119.9	26.0
343	3.7	123.5	26.0
344	3.3	126.8	26.0
345	2.7	129.5	26.0
346	2.2	131.7	26.0
347	1.9	133.6	26.0
348	1.9	135.5	26.0
349	2.0	137.6	26.0
350	2.0	139.6	26.0
351	1.9	141.5	26.0
352	1.8	143.3	26.0
353	1.7	145.0	26.0
354	1.7	146.7	26.0
355	1.6	148.3	26.0
356	1.4	149.6	26.0
357	.9	150.6	26.0
358	.7	151.2	26.0
359	.4	151.7	26.0
360	.2	151.8	26.0
361	.1	151.9	26.0
362	.0	151.9	26.0
363	-.4	151.9	26.0
364	-.6	151.9	26.0
365	-.5	151.9	26.0
1	-.3	151.9	26.0
2	-.2	151.9	26.0
3	.0	151.9	26.0
4	.6	152.5	26.0
5	.3	152.9	26.0
6	.0	152.9	26.0
7	-.1	152.9	26.0
8	-.3	152.9	26.0
9	-.4	152.9	26.0
10	-.4	152.9	26.0
11	-.4	152.9	26.0
12	-.4	152.9	26.0
13	-.3	152.9	26.0
14	-.2	152.9	26.0
15	-.2	152.9	26.0
16	-.2	152.9	26.0
17	-.2	152.9	26.0
18	.2	153.1	26.0
19	.5	153.6	26.0
20	.3	153.9	26.0
21	.2	154.2	26.0
22	.2	154.4	26.0
23	.2	154.5	26.0
24	.2	154.7	26.0
25	.0	154.8	26.0
26	.0	154.8	26.0
27	-.1	154.8	26.0
28	-.1	154.8	26.0
29	-.2	154.8	26.0
30	-.3	154.8	26.0
31	-.4	154.8	26.0
32	-.4	154.8	26.0
33	-.4	154.8	26.0
34	-.3	154.8	26.0
35	-.3	154.8	26.0
36	-.4	154.8	26.0
37	-.5	154.8	26.0
38	-.7	154.8	26.0
39	-.6	154.8	26.0
40	-.5	154.8	26.0
41	-.4	154.8	26.0
42	-.4	154.8	26.0
43	-.5	154.8	26.0
44	-.5	154.8	26.0
45	-.5	154.8	26.0
46	-.2	154.8	26.0
47	-.2	154.8	26.0
48	-.5	154.8	26.0
49	-.8	154.8	26.0
50	-.8	154.8	26.0
51	-.8	154.8	26.0
52	-.9	154.8	26.0
53	-1.0	154.8	26.0
54	-.9	154.8	26.0
55	-.8	154.8	26.0
56	-1.1	154.8	26.0
57	-1.3	154.8	26.0
58	-1.3	154.8	26.0
59	-1.3	154.8	26.0
60	-1.2	154.8	26.0
61	-1.2	154.8	26.0
62	-1.1	154.8	26.0
63	-.9	154.8	26.0
64	-.8	154.8	26.0
65	-.8	154.8	26.0
66	-1.0	154.8	26.0
67	-1.1	154.8	26.0
68	-1.2	154.8	26.0
69	-1.0	154.8	26.0
70	-.8	154.8	26.0
71	-.8	154.8	26.0
72	-.9	154.8	26.0
73	-.9	154.8	26.0
74	-1.0	154.8	26.0
75	-1.1	154.8	26.0
76	-1.1	154.8	26.0
77	-1.1	154.8	26.0
78	-1.1	154.8	26.0
79	-1.1	154.8	26.0
80	-1.0	154.8	26.0
81	-1.0	154.8	26.0
82	-1.1	154.8	26.0
83	-1.2	154.8	26.0
84	-1.2	154.8	26.0
85	-1.2	154.8	26.0
86	-1.2	154.8	26.0
87	-1.2	154.8	26.0
88	-1.1	154.8	26.0
89	-1.0	154.8	26.0
90	-1.0	154.8	26.0
91	-1.0	154.8	26.0
92	-.8	154.8	26.0
93	-.6	154.8	26.0
94	-.4	154.8	26.0
95	-.3	154.8	26.0
96	-.3	154.8	26.0
97	-.2	154.8	26.0
98	-.2	154.8	26.0
99	-.3	154.8	26.0

STN 422 DEPTH 22M







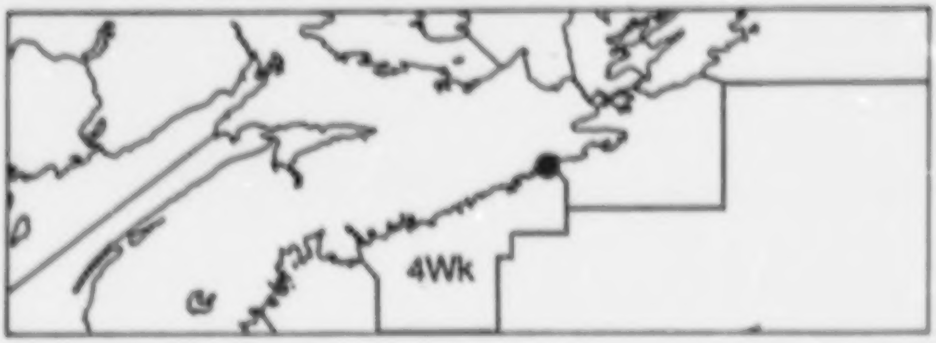
PORT BICKERTON NS
45.05N 61.75W 1630Z 15/11/89 - 0830Z 09/04/90
INST. 63366

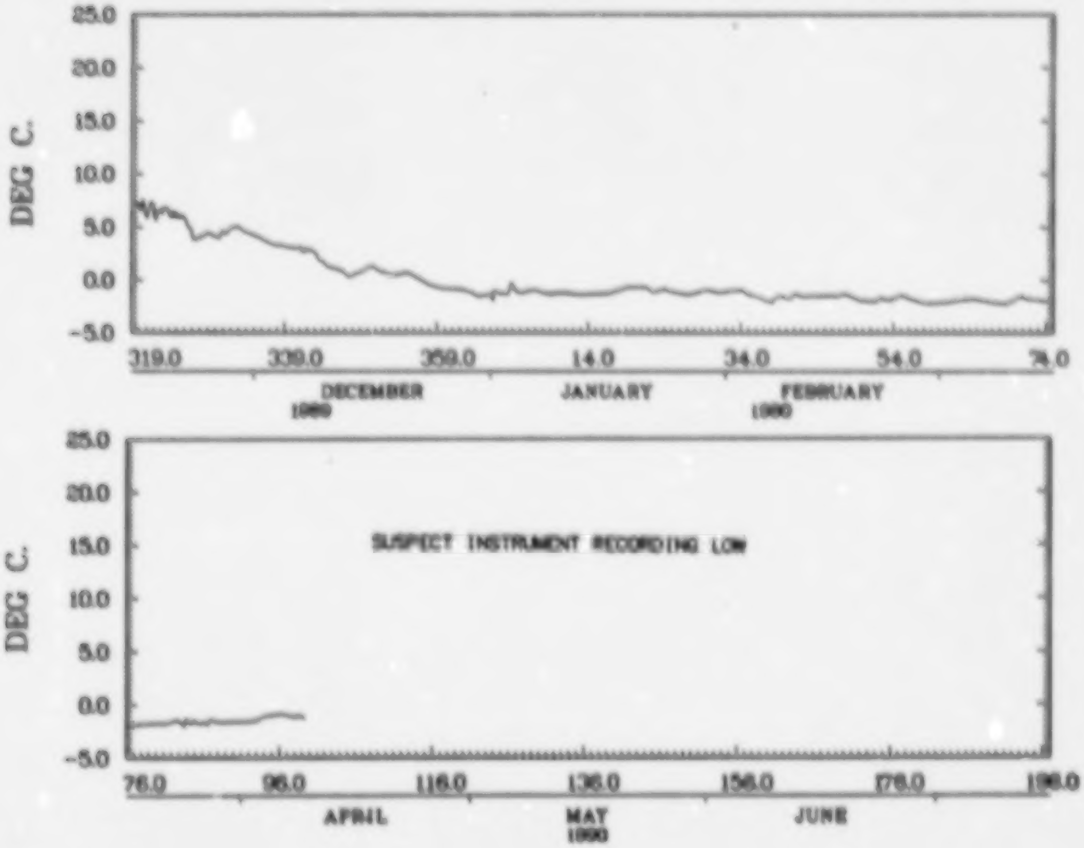
PORT BICKERTON NS   STA. 4WK 423

WATER DEPTH 11.0M.   INST DEPTH 11.0M.   LATITUDE 45.05   LONGITUDE 61.75   FROM 15/11/ 89   TO 9/ 4/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
319	7.1	7.1	3.1	19	-.7	124.8	22.5	84	-1.6	124.8	22.5
320	6.8	13.9	5.9	20	-.7	124.8	22.5	85	-1.7	124.8	22.5
321	6.8	20.7	8.7	21	-.7	124.8	22.5	86	-1.7	124.8	22.5
322	6.2	27.0	11.0	22	-1.0	124.8	22.5	87	-1.5	124.8	22.5
323	6.7	33.6	13.6	23	-1.0	124.8	22.5	88	-1.6	124.8	22.5
324	6.2	39.8	15.8	24	-1.0	124.8	22.5	89	-1.6	124.8	22.5
325	6.0	45.8	17.8	25	-1.1	124.8	22.5	90	-1.6	124.8	22.5
326	5.2	51.0	19.0	26	-1.3	124.8	22.5	91	-1.6	124.8	22.5
327	3.9	54.8	19.0	27	-1.3	124.8	22.5	92	-1.5	124.8	22.5
328	4.2	59.0	19.2	28	-1.1	124.8	22.5	93	-1.3	124.8	22.5
329	4.3	63.3	19.5	29	-1.0	124.8	22.5	94	-1.0	124.8	22.5
330	4.2	67.5	19.6	30	-1.1	124.8	22.5	95	-.9	124.8	22.5
331	4.6	72.1	20.2	31	-1.1	124.8	22.5	96	-.9	124.8	22.5
332	5.0	77.1	21.2	32	-1.0	124.8	22.5	97	-1.1	124.8	22.5
333	4.8	81.8	22.0	33	-1.0	124.8	22.5	98	-1.1	124.8	22.5
334	4.4	86.2	22.4	34	-1.1	124.8	22.5	99	-1.1	124.8	22.5
335	4.1	90.4	22.5	35	-1.4	124.8	22.5				
336	3.7	94.1	22.5	36	-1.6	124.8	22.5				
337	3.4	97.5	22.5	37	-1.9	124.8	22.5				
338	3.3	100.7	22.5	38	-1.8	124.8	22.5				
339	3.1	103.8	22.5	39	-1.6	124.8	22.5				
340	3.0	106.9	22.5	40	-1.6	124.8	22.5				
341	2.9	109.7	22.5	41	-1.4	124.8	22.5				
342	2.8	112.5	22.5	42	-1.5	124.8	22.5				
343	2.1	114.7	22.5	43	-1.5	124.8	22.5				
344	1.5	116.2	22.5	44	-1.5	124.8	22.5				
345	1.1	117.3	22.5	45	-1.5	124.8	22.5				
346	.9	118.2	22.5	46	-1.5	124.8	22.5				
347	.4	118.6	22.5	47	-1.4	124.8	22.5				
348	.6	119.2	22.5	48	-1.5	124.8	22.5				
349	.9	120.2	22.5	49	-1.8	124.8	22.5				
350	1.2	121.4	22.5	50	-1.9	124.8	22.5				
351	.9	122.3	22.5	51	-2.0	124.8	22.5				
352	.6	122.9	22.5	52	-1.7	124.8	22.5				
353	.5	123.4	22.5	53	-1.8	124.8	22.5				
354	.6	124.0	22.5	54	-1.6	124.8	22.5				
355	.6	124.6	22.5	55	-1.5	124.8	22.5				
356	.2	124.8	22.5	56	-1.8	124.8	22.5				
357	-.2	124.8	22.5	57	-2.0	124.8	22.5				
358	-.5	124.8	22.5	58	-2.2	124.8	22.5				
359	-.7	124.8	22.5	59	-2.2	124.8	22.5				
360	-.8	124.8	22.5	60	-2.1	124.8	22.5				
361	-.9	124.8	22.5	61	-2.0	124.8	22.5				
362	-.9	124.8	22.5	62	-1.9	124.8	22.5				
363	-1.2	124.8	22.5	63	-1.8	124.8	22.5				
364	-1.5	124.8	22.5	64	-1.8	124.8	22.5				
365	-1.4	124.8	22.5	65	-1.9	124.8	22.5				
1	-1.4	124.8	22.5	66	-2.0	124.8	22.5				
2	-1.2	124.8	22.5	67	-2.1	124.8	22.5				
3	-.9	124.8	22.5	68	-2.2	124.8	22.5				
4	-1.0	124.8	22.5	69	-2.0	124.8	22.5				
5	-1.2	124.8	22.5	70	-1.6	124.8	22.5				
6	-1.0	124.8	22.5	71	-1.7	124.8	22.5				
7	-1.1	124.8	22.5	72	-1.8	124.8	22.5				
8	-1.3	124.8	22.5	73	-1.9	124.8	22.5				
9	-1.2	124.8	22.5	74	-1.8	124.8	22.5				
10	-1.2	124.8	22.5	75	-1.9	124.8	22.5				
11	-1.2	124.8	22.5	76	-1.9	124.8	22.5				
12	-1.3	124.8	22.5	77	-1.9	124.8	22.5				
13	-1.4	124.8	22.5	78	-1.8	124.8	22.5				
14	-1.3	124.8	22.5	79	-1.8	124.8	22.5				
15	-1.3	124.8	22.5	80	-1.8	124.8	22.5				
16	-1.3	124.8	22.5	81	-1.7	124.8	22.5				
17	-1.1	124.8	22.5	82	-1.5	124.8	22.5				
18	-.9	124.8	22.5	83	-1.7	124.8	22.5				

STN 423 DEPTH 11M





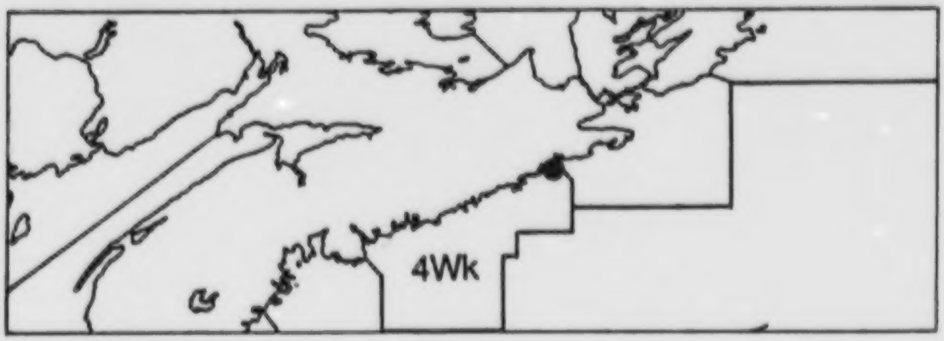
PORT BICKERTON NS
45.05N 61.75W 1630Z 15/11/89 - 0830Z 09/04/90
INST. 63294

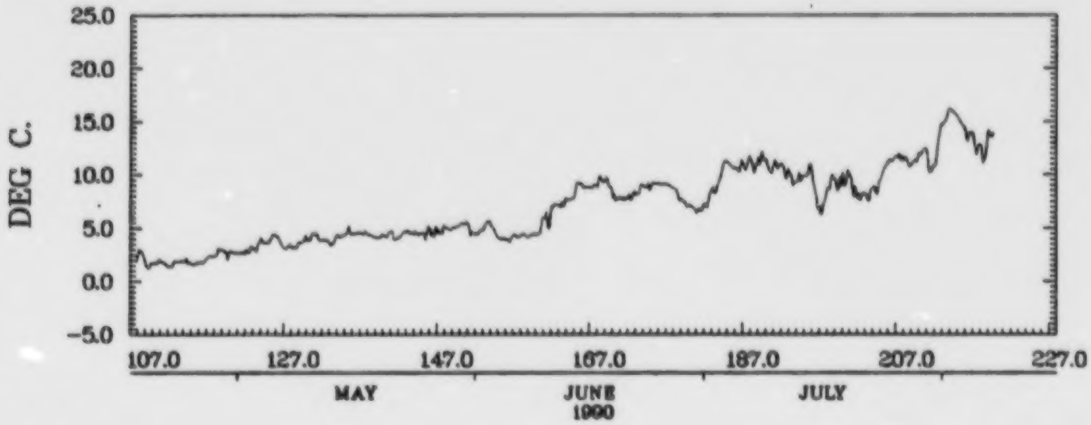
PORT BICKERTON NS STA. 4WK 431

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
4.0M.	4.0M.	45.05	61.75	17/ 4/ 90	7/ 8/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
107	1.9	1.9	.0
108	2.7	4.6	.0
109	1.5	6.1	.0
110	1.8	7.9	.0
111	1.7	9.6	.0
112	1.5	11.1	.0
113	1.9	13.0	.0
114	1.8	14.9	.0
115	1.7	16.5	.0
116	1.8	18.3	.0
117	2.3	20.6	.0
118	2.7	23.3	.0
119	2.6	26.0	.0
120	2.7	28.7	.0
121	2.7	31.4	.0
122	3.0	34.4	.0
123	3.2	37.5	.0
124	3.7	41.3	.0
125	4.1	45.3	.1
126	3.9	49.2	.1
127	3.2	52.4	.1
128	3.2	55.7	.1
129	3.8	59.4	.1
130	4.1	63.5	.1
131	4.2	67.6	.3
132	3.9	71.5	.3
133	3.7	75.2	.3
134	4.3	79.5	.5
135	4.6	84.1	1.2
136	4.5	88.6	1.7
137	4.5	93.1	2.2
138	4.3	97.4	2.5
139	4.1	101.5	2.6
140	4.4	105.9	3.0
141	4.2	110.1	3.1
142	4.4	114.4	3.5
143	4.6	119.0	4.1
144	4.5	123.5	4.6
145	4.5	128.0	5.1
146	4.6	132.6	5.7
147	4.7	137.3	6.4
148	5.0	142.3	7.4
149	5.1	147.4	8.5
150	5.4	152.8	9.9
151	4.7	157.6	10.7
152	4.6	162.1	11.2
153	5.3	167.5	12.5
154	4.8	172.3	13.4
155	4.0	176.3	13.4
156	3.9	180.2	13.4
157	4.2	184.5	13.6
158	4.3	188.8	13.9
159	4.3	193.1	14.3
160	4.8	198.0	15.1
161	5.7	203.7	16.8
162	7.1	210.8	20.0
163	7.3	218.1	23.3
164	7.7	225.8	26.9
165	8.9	234.6	31.8
166	8.9	243.5	36.7
167	8.9	252.4	41.5
168	9.4	261.8	47.0
169	9.2	271.0	52.2
170	7.8	278.8	56.0
171	7.7	286.6	59.7
172	8.0	294.6	63.8
173	8.5	303.1	68.3
174	8.9	312.0	73.1
175	9.1	321.1	78.3
176	9.1	330.2	83.4
177	9.0	339.2	88.4
178	8.2	347.4	92.6
179	7.4	354.8	96.0
180	7.0	361.8	98.9
181	6.7	368.5	101.6
182	7.6	376.0	105.2
183	8.8	384.8	110.0
184	10.6	395.4	116.6
185	10.9	406.3	123.5
186	10.7	416.9	130.1
187	11.0	428.0	137.2
188	10.9	438.9	144.1
189	11.5	450.4	151.6
190	10.7	461.1	158.3
191	11.0	472.1	165.3
192	10.4	482.5	171.7
193	9.6	492.1	177.3
194	9.7	501.8	182.9
195	10.3	512.1	189.2
196	8.5	520.6	193.8
197	7.1	527.7	196.9
198	9.2	536.9	202.1
199	9.2	546.1	207.3
200	9.7	555.8	213.0
201	8.8	564.7	217.8
202	8.0	572.7	221.9
203	8.1	580.8	226.0
204	8.8	589.6	230.8
205	10.4	600.0	237.1
206	11.4	611.3	244.5
207	11.7	623.0	252.2
208	11.2	634.2	259.4
209	11.3	645.5	266.7
210	12.2	657.7	274.8
211	11.0	668.6	281.8
212	12.6	681.2	290.4
213	15.3	696.5	301.7
214	16.0	712.4	313.6
215	15.0	727.4	324.6
216	13.8	741.2	334.4
217	12.8	754.1	343.2
218	12.1	766.1	351.3
219	13.9	780.0	361.2

STN 431 DEPTH 4M





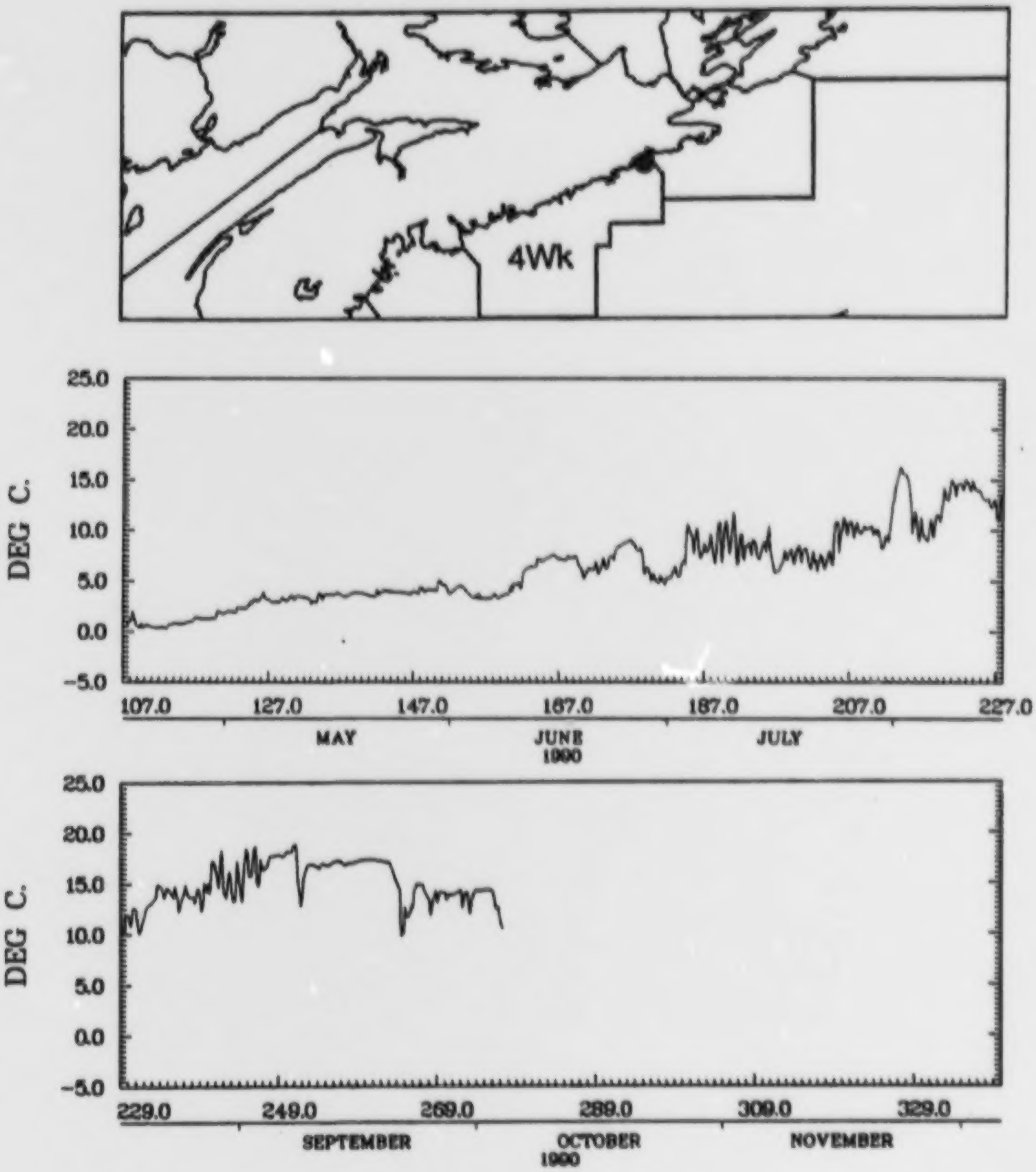
PORT BICKERTON NS
45.05N 61.75W 1600Z 17/04/90 - 1600Z 07/08/90
INST. 64477

PORT BICKERTON NS STA. 4WK 432

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
11.0M.	11.0M.	45.05	61.75	17/ 4/ 90	4/10/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
107	.9	.9	.0	172	6.3	232.8	32.4	237	14.1	877.8	417.4
108	1.3	2.1	.0	173	6.7	239.5	35.1	238	13.9	891.7	427.3
109	.5	2.6	.0	174	7.5	247.0	38.6	239	13.8	905.5	437.1
110	.6	3.2	.0	175	8.5	255.6	43.1	240	16.0	921.5	449.1
111	.4	3.6	.0	176	8.9	264.5	48.1	241	16.2	937.8	461.4
112	.4	4.0	.0	177	8.4	272.8	52.4	242	14.7	952.5	472.1
113	.6	4.7	.0	178	7.2	280.0	55.6	243	14.6	967.1	482.7
114	.8	5.5	.0	179	5.7	285.8	57.3	244	15.6	982.7	494.3
115	.8	6.3	.0	180	5.2	290.9	58.5	245	16.8	999.5	507.1
116	1.1	7.4	.0	181	5.1	296.0	59.6	246	16.4	1015.9	519.4
117	1.3	8.7	.0	182	5.6	301.6	61.2	247	16.9	1032.7	532.3
118	1.3	10.0	.0	183	5.9	307.5	63.1	248	17.8	1050.5	546.1
119	1.4	11.4	.0	184	8.5	316.0	67.6	249	17.8	1068.3	559.9
120	1.9	13.2	.0	185	9.2	325.2	72.8	250	18.2	1086.6	574.2
121	2.0	15.2	.0	186	8.2	333.4	77.0	251	16.1	1102.7	586.2
122	2.1	17.3	.0	187	8.5	342.0	81.6	252	16.0	1118.7	598.2
123	2.3	19.6	.0	188	8.2	350.2	85.8	253	16.8	1135.5	611.1
124	2.7	22.3	.0	189	9..2	359.5	91.1	254	16.8	1152.3	623.9
125	3.1	25.5	.0	190	9.4	368.9	96.5	255	16.9	1169.2	636.8
126	3.4	28.9	.0	191	9.0	377.9	101.5	256	17.2	1186.4	650.0
127	3.0	31.9	.0	192	8.4	386.4	105.9	257	16.9	1203.3	662.9
128	3.0	34.9	.0	193	8.5	394.9	110.5	258	17.0	1220.3	675.9
129	3.1	38.0	.0	194	7.8	402.7	114.3	259	17.2	1237.5	689.1
130	3.4	41.4	.0	195	8.9	411.6	119.2	260	17.4	1254.9	702.5
131	3.5	44.9	.0	196	6.8	418.4	122.0	261	17.3	1272.2	715.8
132	3.3	48.2	.0	197	6.4	424.8	124.4	262	17.1	1289.3	728.9
133	2.9	51.1	.0	198	7.6	432.5	128.1	263	16.2	1305.5	741.1
134	3.6	54.7	.0	199	7.6	440.1	131.7	264	12.3	1317.9	749.4
135	3.6	58.4	.0	200	7.9	447.9	135.5	265	12.2	1330.1	757.7
136	3.7	62.1	.0	201	7.0	454.9	138.5	266	14.4	1344.5	768.1
137	3.5	65.6	.0	202	6.9	461.8	141.4	267	14.3	1358.7	778.3
138	3.7	69.2	.0	203	6.9	468.8	144.3	268	13.2	1372.0	787.6
139	3.8	73.0	.0	204	7.6	476.4	148.0	269	13.9	1385.8	797.4
140	3.7	76.7	.0	205	9.9	486.2	153.8	270	13.8	1399.6	807.2
141	3.5	80.2	.0	206	10.4	496.6	160.2	271	14.0	1413.7	817.3
142	3.9	84.0	.0	207	10.2	506.9	166.5	272	13.8	1427.4	827.0
143	4.0	88.0	.0	208	10.0	516.9	172.5	273	13.4	1440.8	836.4
144	3.9	91.9	.0	209	10.2	527.1	178.7	274	14.3	1455.1	846.7
145	3.9	95.8	.0	210	9.9	537.1	184.7	275	14.3	1469.4	857.0
146	3.8	99.5	.0	211	8.8	545.9	189.5	276	12.8	1482.3	865.9
147	3.9	103.4	.0	212	10.3	556.2	195.8	277	10.8	1493.1	872.7
148	4.2	107.6	.2	213	14.8	571.0	206.6				
149	4.1	111.7	.3	214	15.6	586.6	218.2				
150	4.5	116.3	.8	215	12.2	598.8	226.4				
151	4.3	120.6	1.2	216	10.1	608.9	232.5				
152	4.0	124.6	1.2	217	9.4	618.3	237.9				
153	4.4	129.0	1.6	218	10.6	628.9	244.5				
154	3.9	132.9	1.6	219	12.1	640.9	252.5				
155	3.4	136.3	1.6	220	13.7	654.6	262.2				
156	3.3	139.6	1.6	221	14.4	669.0	272.6				
157	3.3	143.0	1.6	222	14.6	683.6	283.2				
158	3.5	146.4	1.6	223	14.5	698.1	293.7				
159	3.6	150.0	1.6	224	14.1	712.2	303.8				
160	4.3	154.3	1.9	225	13.2	725.4	313.0				
161	4.6	158.9	2.5	226	12.7	738.0	321.6				
162	6.1	165.0	4.6	227	12.1	750.1	329.7				
163	6.4	171.4	7.0	228	11.1	761.2	336.8				
164	7.0	178.5	10.0	229	11.1	772.3	343.9				
165	7.3	185.7	13.3	230	11.9	784.2	351.8				
166	7.4	193.2	16.8	231	11.1	795.3	358.9				
167	7.1	200.3	19.9	232	12.7	807.9	367.5				
168	7.3	207.6	23.2	233	13.9	821.9	377.5				
169	7.0	214.5	26.1	234	14.3	836.2	387.8				
170	5.8	220.3	27.9	235	14.2	850.4	398.0				
171	6.2	226.5	30.1	236	13.3	863.7	407.3				

STN 432 DEPTH 11M



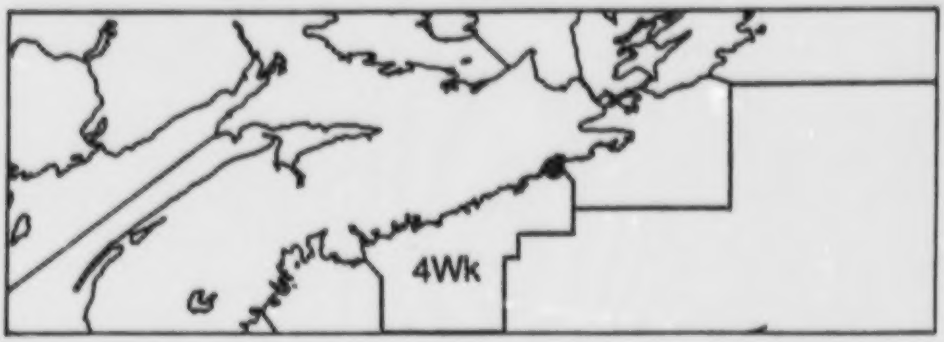
PORT BICKERTON NS
45.05N 61.75W 1600Z 17/04/90 - 0400Z 04/10/90
INST. 63295

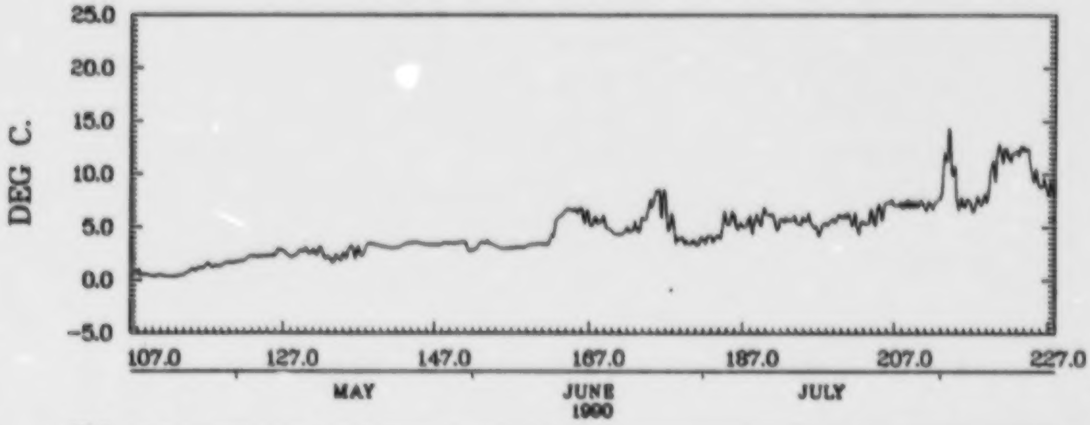
PORT BICKERTON NS STA. 4WK 433

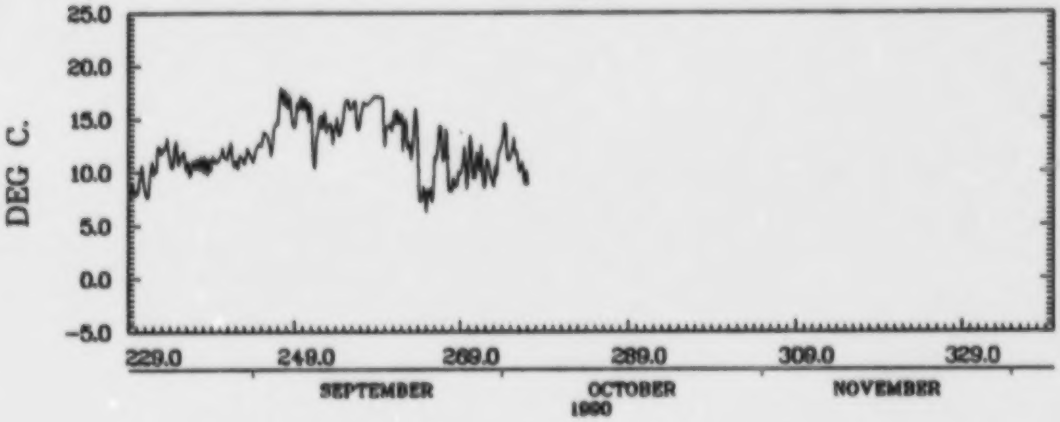
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
22.0M.	22.0M.	45.05	61.75	17/ 4/ 90	4/10/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
107	.8	.8	.0	172	4.8	192.4	16.1	237	10.9	669.8	234.7
108	.6	1.4	.0	173	5.1	197.5	17.2	238	10.6	680.4	241.3
109	.5	1.9	.0	174	6.1	203.5	19.2	239	11.1	691.5	248.4
110	.4	2.3	.0	175	7.7	211.2	22.9	240	11.6	703.1	255.9
111	.4	2.7	.0	176	7.7	218.9	26.6	241	11.7	714.7	263.6
112	.3	3.0	.0	177	5.7	224.5	28.3	242	11.1	725.8	270.7
113	.4	3.4	.0	178	4.2	228.8	28.5	243	11.6	737.4	278.3
114	.7	4.2	.0	179	3.7	232.5	28.5	244	12.0	749.4	286.3
115	1.0	5.2	.0	180	3.6	236.1	28.5	245	13.3	762.7	295.6
116	1.2	6.4	.0	181	3.7	239.7	28.5	246	13.3	776.0	304.9
117	1.4	7.8	.0	182	3.9	243.6	28.5	247	16.8	792.8	317.6
118	1.3	9.1	.0	183	4.0	247.6	28.5	248	15.9	808.6	329.5
119	1.6	10.7	.0	184	5.1	252.8	29.6	249	15.9	824.5	341.4
120	1.7	12.4	.0	185	5.7	258.5	31.4	250	16.0	840.5	353.4
121	1.8	14.2	.0	186	5.3	263.8	32.7	251	12.7	853.2	362.1
122	2.1	16.3	.0	187	5.2	269.0	33.9	252	14.8	868.1	373.0
123	2.2	18.5	.0	188	5.4	274.4	35.3	253	13.9	882.0	382.9
124	2.3	20.8	.0	189	5.8	280.2	37.1	254	14.2	896.2	393.1
125	2.3	23.1	.0	190	6.2	286.4	39.3	255	16.4	912.6	405.5
126	2.8	25.8	.0	191	5.4	291.8	40.7	256	15.4	928.0	416.9
127	2.6	28.4	.0	192	5.7	297.5	42.4	257	16.2	944.2	429.1
128	2.3	30.6	.0	193	5.8	303.3	44.2	258	16.9	961.0	441.9
129	2.8	33.4	.0	194	5.4	308.8	45.6	259	16.5	977.6	454.5
130	2.7	36.1	.0	195	5.8	314.5	47.4	260	14.0	991.5	464.4
131	2.7	38.8	.0	196	5.0	319.6	48.5	261	15.1	1006.6	475.5
132	2.4	41.2	.0	197	4.9	324.5	49.4	262	13.6	1020.2	485.1
133	2.0	43.1	.0	198	5.5	330.0	50.9	263	13.7	1033.9	494.8
134	2.1	45.3	.0	199	5.8	335.8	52.7	264	8.3	1042.2	499.1
135	2.6	47.8	.0	200	6.1	341.9	54.8	265	7.8	1050.0	502.9
136	2.8	50.6	.0	201	5.7	347.6	56.5	266	12.6	1062.6	511.5
137	2.6	53.3	.0	202	5.1	352.7	57.6	267	10.8	1073.5	518.4
138	3.4	56.6	.0	203	5.6	358.3	59.2	268	9.0	1082.5	523.4
139	3.3	59.9	.0	204	6.0	364.3	61.2	269	10.3	1092.8	529.7
140	3.1	63.1	.0	205	6.7	371.0	63.9	270	10.9	1103.7	536.6
141	3.0	66.1	.0	206	7.4	378.4	67.3	271	10.6	1114.3	543.2
142	3.1	69.3	.0	207	7.1	385.5	70.4	272	10.0	1124.3	549.2
143	3.4	72.7	.0	208	7.2	392.7	73.6	273	10.8	1135.1	556.0
144	3.5	76.2	.0	209	7.1	399.8	76.7	274	12.8	1147.9	564.8
145	3.4	79.7	.0	210	7.2	407.0	79.9	275	12.0	1159.9	572.8
146	3.3	83.0	.0	211	7.0	414.1	83.0	276	9.9	1169.8	578.7
147	3.3	86.3	.0	212	7.3	421.4	86.3				
148	3.5	89.8	.0	213	10.2	431.6	92.4				
149	3.5	93.2	.0	214	11.8	443.3	100.2				
150	3.6	96.8	.0	215	7.3	450.6	103.5				
151	3.0	99.8	.0	216	7.3	457.9	106.8				
152	3.0	102.9	.0	217	7.0	465.0	109.9				
153	3.6	106.5	.0	218	7.5	472.5	113.4				
154	3.4	109.8	.0	219	9.4	481.9	118.8				
155	3.1	112.9	.0	220	11.5	493.4	126.3				
156	3.0	115.9	.0	221	11.9	505.3	134.2				
157	3.1	119.0	.0	222	11.8	517.1	142.0				
158	3.1	122.1	.0	223	12.2	529.3	150.2				
159	3.3	125.4	.0	224	11.9	541.2	158.1				
160	3.4	128.9	.0	225	9.7	550.9	163.8				
161	3.4	132.3	.0	226	9.0	559.9	168.8				
162	4.8	137.1	.8	227	8.5	568.4	173.3				
163	6.2	143.3	3.0	228	7.8	576.2	177.1				
164	6.6	149.9	5.6	229	8.1	584.3	181.2				
165	6.6	156.5	8.2	230	9.1	593.5	186.4				
166	6.2	162.7	10.4	231	8.9	602.4	191.3				
167	5.4	168.2	11.9	232	11.1	613.5	198.4				
168	5.6	173.8	13.5	233	12.3	625.8	206.7				
169	5.0	178.7	14.4	234	11.5	637.2	214.1				
170	4.4	183.1	14.9	235	11.3	648.5	221.4				
171	4.5	187.6	15.3	236	10.5	659.0	227.8				

STN 433 DEPTH 4M







PORT BICKERTON NS
45.05N 61.75W 1600Z 17/04/90 - 0000Z 04/10/90
INST. 63290

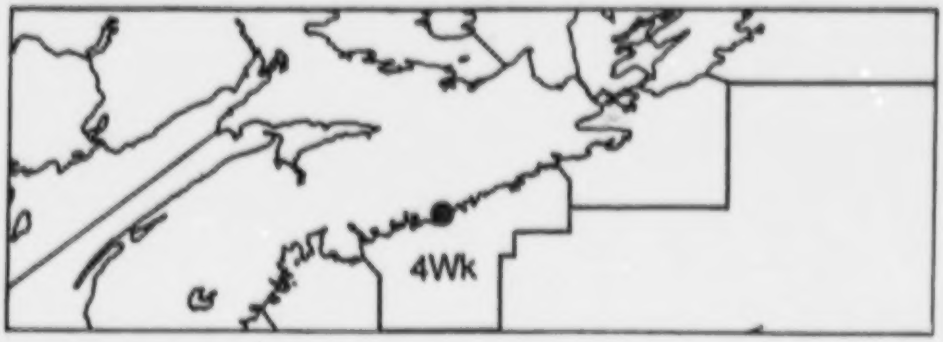
SHIP HARBOUR NS (OUTER)

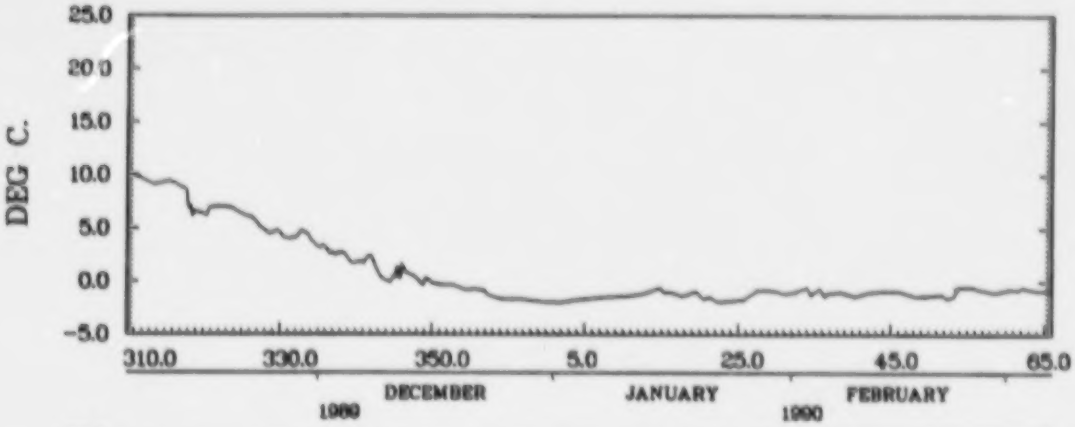
STA. 4WK 409

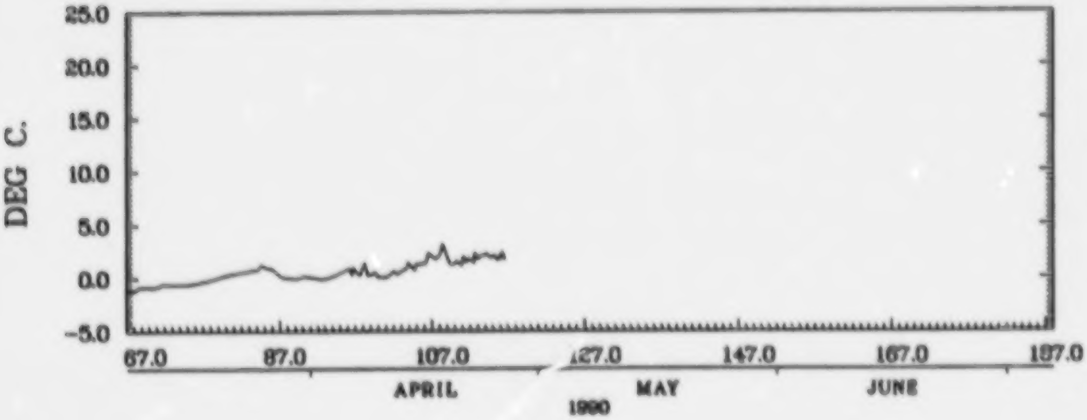
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
10.0M.	3.0M.	44.76	62.79	6/11/ 89	26/ 4/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
310	9.9	9.9	5.9	10	-1.4	191.8	70.1	75	-.5	191.8	70.1
311	9.8	19.7	11.7	11	-1.3	191.8	70.1	76	-.4	191.8	70.1
312	9.5	29.2	17.2	12	-1.2	191.8	70.1	77	-.3	191.8	70.1
313	9.2	38.4	22.4	13	-1.0	191.8	70.1	78	-.1	191.8	70.1
314	9.2	47.6	27.6	14	-.7	191.8	70.1	79	.1	192.0	70.1
315	9.4	57.0	33.0	15	-1.0	191.8	70.1	80	.3	192.3	70.1
316	9.1	66.1	38.1	16	-1.1	191.8	70.1	81	.5	192.8	70.1
317	8.7	74.9	42.9	17	-1.3	191.8	70.1	82	.6	193.3	70.1
318	6.7	81.6	45.6	18	-1.2	191.8	70.1	83	.7	194.0	70.1
319	6.5	88.1	48.1	19	-1.0	191.8	70.1	84	1.0	195.0	70.1
320	6.5	94.6	50.6	20	-1.5	191.8	70.1	85	1.0	196.0	70.1
321	7.0	101.6	53.6	21	-1.5	191.8	70.1	86	.6	196.6	70.1
322	7.0	108.6	56.6	22	-1.9	191.8	70.1	87	.1	196.7	70.1
323	6.9	115.6	59.6	23	-1.8	191.8	70.1	88	.0	196.7	70.1
324	6.6	122.2	62.2	24	-1.8	191.8	70.1	89	.0	196.7	70.1
325	6.2	128.4	64.4	25	-1.7	191.8	70.1	90	.1	196.8	70.1
326	5.9	134.3	66.3	26	-1.3	191.8	70.1	91	.0	196.8	70.1
327	5.2	139.5	67.5	27	-.9	191.8	70.1	92	-.1	196.8	70.1
328	4.6	144.1	68.1	28	-.8	191.8	70.1	93	.0	196.8	70.1
329	4.7	148.8	68.8	29	-.8	191.8	70.1	94	.3	197.1	70.1
330	4.3	153.1	69.1	30	-1.0	191.8	70.1	95	.6	197.7	70.1
331	4.1	157.1	69.1	31	-1.1	191.8	70.1	96	.7	198.5	70.1
332	4.4	161.6	69.6	32	-1.0	191.8	70.1	97	.5	199.0	70.1
333	4.5	166.1	70.1	33	-.7	191.8	70.1	98	.7	199.6	70.1
334	3.7	169.8	70.1	34	-1.0	191.8	70.1	99	.3	200.0	70.1
335	3.3	173.1	70.1	35	-.9	191.8	70.1	100	.1	200.0	70.1
336	2.9	176.0	70.1	36	-1.2	191.8	70.1	101	.3	200.4	70.1
337	2.6	178.6	70.1	37	-1.0	191.8	70.1	102	.5	200.8	70.1
338	2.6	181.2	70.1	38	-1.0	191.8	70.1	103	.9	201.7	70.1
339	1.9	183.1	70.1	39	-1.2	191.8	70.1	104	1.0	202.8	70.1
340	1.8	184.9	70.1	40	-1.3	191.8	70.1	105	1.3	204.1	70.1
341	2.2	187.0	70.1	41	-1.1	191.8	70.1	106	1.9	206.0	70.1
342	1.7	188.7	70.1	42	-1.0	191.8	70.1	107	1.9	207.9	70.1
343	.4	189.2	70.1	43	-.9	191.8	70.1	108	2.6	210.5	70.1
344	.1	189.3	70.1	44	-.9	191.8	70.1	109	1.4	211.9	70.1
345	.7	190.0	70.1	45	-.9	191.8	70.1	110	1.4	213.3	70.1
346	1.1	191.1	70.1	46	-1.0	191.8	70.1	111	1.7	215.0	70.1
347	.6	191.7	70.1	47	-1.2	191.8	70.1	112	1.8	216.8	70.1
348	.0	191.7	70.1	48	-1.4	191.8	70.1	113	2.0	218.8	70.1
349	.2	191.8	70.1	49	-1.3	191.8	70.1	114	2.1	220.9	70.1
350	-.2	191.8	70.1	50	-1.3	191.8	70.1	115	1.9	222.8	70.1
351	-.3	191.8	70.1	51	-1.2	191.8	70.1	116	2.0	224.8	70.1
352	-.4	191.8	70.1	52	-1.5	191.8	70.1				
353	-.5	191.8	70.1	53	-1.1	191.8	70.1				
354	-.7	191.8	70.1	54	-.5	191.8	70.1				
355	-.7	191.8	70.1	55	-.5	191.8	70.1				
356	-.8	191.8	70.1	56	-.7	191.8	70.1				
357	-1.2	191.8	70.1	57	-.8	191.8	70.1				
358	-1.5	191.8	70.1	58	-1.0	191.8	70.1				
359	-1.6	191.8	70.1	59	-.9	191.8	70.1				
360	-1.6	191.8	70.1	60	-.7	191.8	70.1				
361	-1.7	191.8	70.1	61	-.7	191.8	70.1				
362	-1.7	191.8	70.1	62	-.6	191.8	70.1				
363	-1.8	191.8	70.1	63	-.7	191.8	70.1				
364	-1.9	191.8	70.1	64	-.8	191.8	70.1				
365	-1.9	191.8	70.1	65	-.9	191.8	70.1				
1	-2.0	191.8	70.1	66	-1.0	191.8	70.1				
2	-1.9	191.8	70.1	67	-1.2	191.8	70.1				
3	-1.8	191.8	70.1	68	-1.0	191.8	70.1				
4	-1.7	191.8	70.1	69	-.8	191.8	70.1				
5	-1.6	191.8	70.1	70	-.8	191.8	70.1				
6	-1.6	191.8	70.1	71	-.7	191.8	70.1				
7	-1.5	191.8	70.1	72	-.6	191.8	70.1				
8	-1.4	191.8	70.1	73	-.6	191.8	70.1				
9	-1.4	191.8	70.1	74	-.6	191.8	70.1				

STN 409 DEPTH 3M







SHIP HARBOUR NS (OUTER)
44.76N 62.79W 2000Z 06/11/89 - 1200Z 26/04/90
INST. 63297

SHIP HARBOUR NS (OUTER)

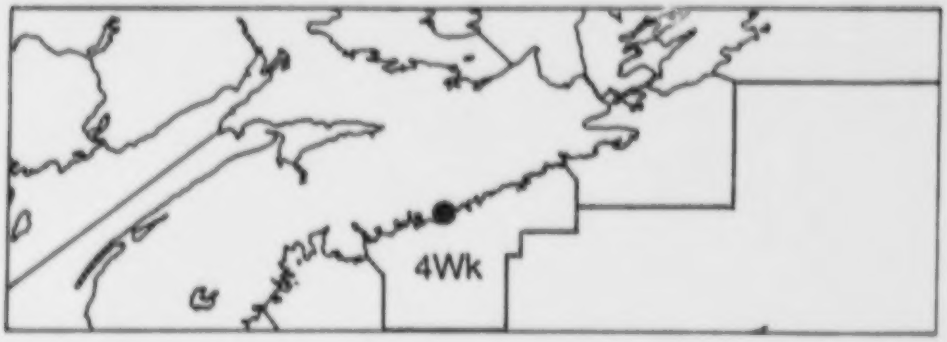
STA. 4WK 410

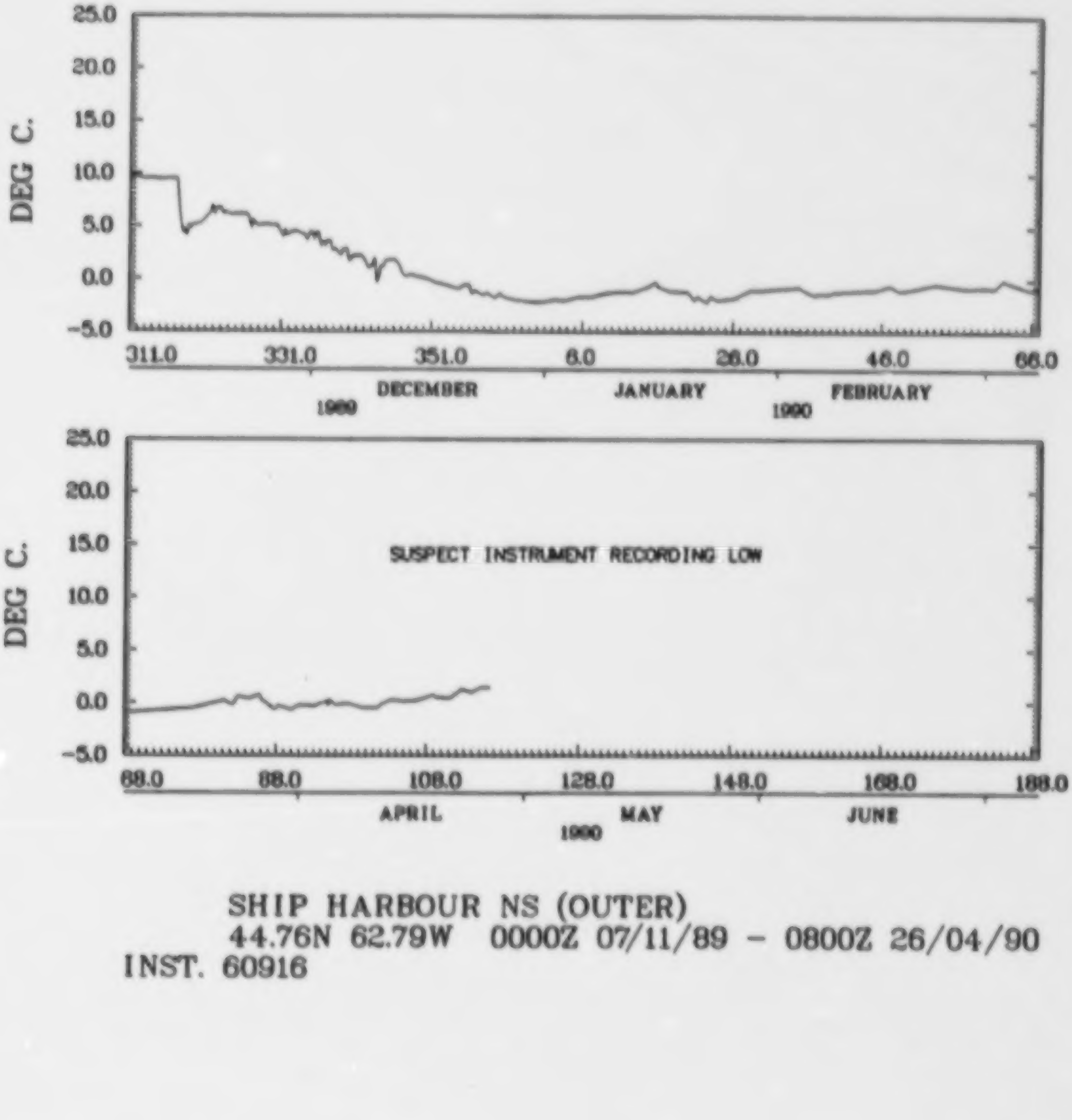
WATER DEPTH 10.0M. INST DEPTH 9.0M. LATITUDE 44.76 LONGITUDE 62.79

FROM 7/11/ 89 TO 26/ 4/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
311	9.8	9.8	5.8	11	-1.2	183.0	59.1	76	-.6	183.0	59.1
312	9.6	19.4	11.4	12	-1.2	183.0	59.1	77	-.5	183.0	59.1
313	9.5	28.9	16.9	13	-1.0	183.0	59.1	78	-.3	183.0	59.1
314	9.5	38.4	22.4	14	-.8	183.0	59.1	79	-.1	183.0	59.1
315	9.5	47.9	27.9	15	-.4	183.0	59.1	80	.1	183.1	59.1
316	9.5	57.4	33.4	16	-.7	183.0	59.1	81	.1	183.2	59.1
317	7.4	64.7	36.7	17	-1.0	183.0	59.1	82	.0	183.2	59.1
318	4.6	69.3	37.3	18	-1.1	183.0	59.1	83	.5	183.7	59.1
319	5.1	74.4	38.4	19	-1.2	183.0	59.1	84	.4	184.2	59.1
320	5.4	79.8	39.8	20	-1.5	183.0	59.1	85	.6	184.8	59.1
321	6.2	86.1	42.1	21	-1.7	183.0	59.1	86	.1	184.9	59.1
322	6.6	92.7	44.7	22	-2.0	183.0	59.1	87	-.4	184.9	59.1
323	6.3	99.0	47.0	23	-1.8	183.0	59.1	88	-.4	184.9	59.1
324	6.1	105.1	49.1	24	-1.9	183.0	59.1	89	-.5	184.9	59.1
325	6.1	111.3	51.3	25	-1.8	183.0	59.1	90	-.5	184.9	59.1
326	5.9	117.2	53.2	26	-1.6	183.0	59.1	91	-.2	184.9	59.1
327	5.3	122.4	54.4	27	-1.3	183.0	59.1	92	-.3	184.9	59.1
328	5.1	127.6	55.6	28	-1.0	183.0	59.1	93	-.2	184.9	59.1
329	5.1	132.7	56.7	29	-1.0	183.0	59.1	94	.0	185.0	59.1
330	5.0	137.6	57.6	30	-1.0	183.0	59.1	95	.0	185.0	59.1
331	4.3	141.9	57.9	31	-.9	183.0	59.1	96	-.2	185.0	59.1
332	4.5	146.4	58.4	32	-.8	183.0	59.1	97	-.1	185.0	59.1
333	4.4	150.8	58.8	33	-.8	183.0	59.1	98	-.3	185.0	59.1
334	4.1	154.9	58.9	34	-.7	183.0	59.1	99	-.4	185.0	59.1
335	4.3	159.1	59.1	35	-.9	183.0	59.1	100	-.5	185.0	59.1
336	3.4	162.5	59.1	36	-1.3	183.0	59.1	101	-.4	185.0	59.1
337	3.3	165.8	59.1	37	-1.3	183.0	59.1	102	.0	185.0	59.1
338	2.6	168.4	59.1	38	-1.3	183.0	59.1	103	.2	185.2	59.1
339	2.7	171.1	59.1	39	-1.2	183.0	59.1	104	.2	185.4	59.1
340	2.1	173.1	59.1	40	-1.1	183.0	59.1	105	.2	185.6	59.1
341	2.2	175.3	59.1	41	-1.1	183.0	59.1	106	.2	185.8	59.1
342	1.4	176.7	59.1	42	-1.1	183.0	59.1	107	.4	186.1	59.1
343	.8	177.5	59.1	43	-1.0	183.0	59.1	108	.6	186.7	59.1
344	1.2	178.7	59.1	44	-1.0	183.0	59.1	109	.6	187.3	59.1
345	1.8	180.5	59.1	45	-.9	183.0	59.1	110	.5	187.8	59.1
346	1.5	182.0	59.1	46	-.7	183.0	59.1	111	.6	188.4	59.1
347	.4	182.4	59.1	47	-.7	183.0	59.1	112	1.1	189.5	59.1
348	.4	182.8	59.1	48	-1.0	183.0	59.1	113	1.1	190.6	59.1
349	.2	183.0	59.1	49	-.9	183.0	59.1	114	1.2	191.8	59.1
350	.0	183.0	59.1	50	-.8	183.0	59.1	115	1.4	193.2	59.1
351	-.3	183.0	59.1	51	-.7	183.0	59.1	116	1.5	194.7	59.1
352	-.5	183.0	59.1	52	-.5	183.0	59.1				
353	-.7	183.0	59.1	53	-.4	183.0	59.1				
354	-.9	183.0	59.1	54	-.5	183.0	59.1				
355	-.6	183.0	59.1	55	-.6	183.0	59.1				
356	-1.1	183.0	59.1	56	-.7	183.0	59.1				
357	-1.3	183.0	59.1	57	-.8	183.0	59.1				
358	-1.4	183.0	59.1	58	-.7	183.0	59.1				
359	-1.6	183.0	59.1	59	-.7	183.0	59.1				
360	-1.6	183.0	59.1	60	-.8	183.0	59.1				
361	-1.8	183.0	59.1	61	-.5	183.0	59.1				
362	-2.0	183.0	59.1	62	-.1	183.0	59.1				
363	-2.1	183.0	59.1	63	-.4	183.0	59.1				
364	-2.1	183.0	59.1	64	-.6	183.0	59.1				
365	-2.2	183.0	59.1	65	-.8	183.0	59.1				
1	-2.0	183.0	59.1	66	-.9	183.0	59.1				
2	-2.0	183.0	59.1	67	-.9	183.0	59.1				
3	-2.0	183.0	59.1	68	-.9	183.0	59.1				
4	-1.9	183.0	59.1	69	-.9	183.0	59.1				
5	-1.7	183.0	59.1	70	-.9	183.0	59.1				
6	-1.6	183.0	59.1	71	-.8	183.0	59.1				
7	-1.6	183.0	59.1	72	-.8	183.0	59.1				
8	-1.4	183.0	59.1	73	-.7	183.0	59.1				
9	-1.3	183.0	59.1	74	-.7	183.0	59.1				
10	-1.2	183.0	59.1	75	-.6	183.0	59.1				

STN 410 DEPTH 9M





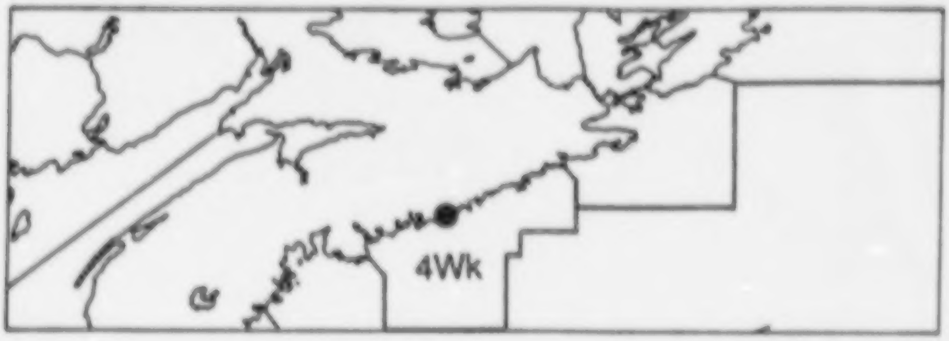
SHIP HARBOUR NS (OUTER)
44.76N 62.79W 0000Z 07/11/89 - 0800Z 26/04/90
INST. 60916

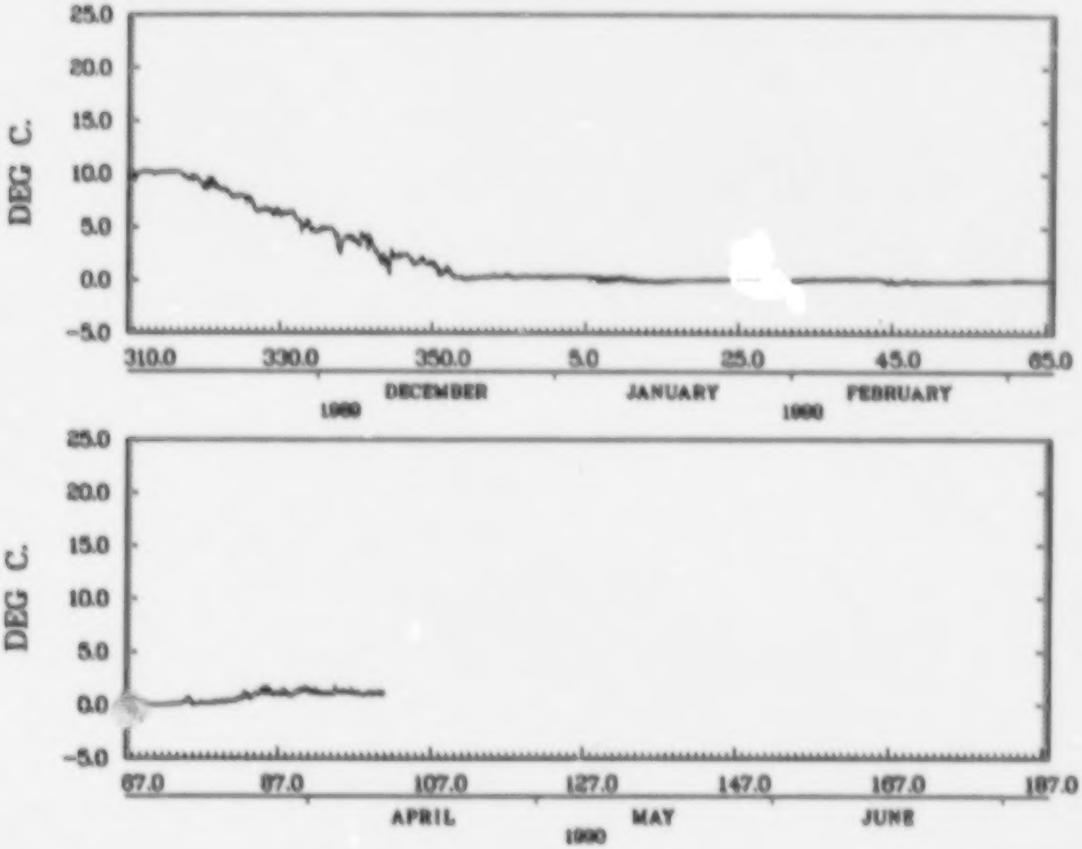
SHIP HARBOUR NS (INNER) STA. 4WK 455

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
13.7M.	2.0M.	44.81	62.86	6/11/ 89	10/ 4/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
310	9.8	9.8	5.8	10	.1	258.2	106.3	75	.4	261.5	106.3
311	10.0	19.8	11.8	11	.0	258.2	106.3	76	.2	261.6	106.3
312	10.2	30.0	18.0	12	-.1	258.2	106.3	77	.2	261.9	106.3
313	10.1	40.1	24.1	13	-.1	258.2	106.3	78	.3	262.1	106.3
314	10.2	50.3	30.3	14	-.2	258.2	106.3	79	.3	262.4	106.3
315	10.2	60.4	36.4	15	-.1	258.2	106.3	80	.4	262.8	106.3
316	10.2	70.7	42.7	16	.0	258.2	106.3	81	.5	263.3	106.3
317	9.9	80.5	48.5	17	.0	258.2	106.3	82	.9	264.2	106.3
318	9.6	90.2	54.2	18	.0	258.3	106.3	83	.8	265.0	106.3
319	9.4	99.6	59.6	19	.0	258.3	106.3	84	1.1	266.2	106.3
320	9.0	108.6	64.6	20	.1	258.3	106.3	85	1.4	267.5	106.3
321	9.0	117.6	69.6	21	.0	258.4	106.3	86	1.1	268.6	106.3
322	8.6	126.1	74.1	22	.1	258.4	106.3	87	1.2	269.8	106.3
323	8.1	134.3	78.3	23	.1	258.5	106.3	88	1.0	270.7	106.3
324	7.9	142.2	82.2	24	.1	258.6	106.3	89	1.3	272.0	106.3
325	7.8	150.0	85.9	25	.1	258.7	106.3	90	1.5	273.5	106.3
326	7.1	157.1	89.1	26	.1	258.8	106.3	91	1.2	274.7	106.3
327	6.6	163.7	91.7	27	.1	258.9	106.3	92	1.2	275.9	106.3
328	6.6	170.3	94.3	28	.1	259.0	106.3	93	1.1	277.0	106.3
329	6.4	176.7	96.7	29	.1	259.1	106.3	94	1.3	278.2	106.3
330	6.3	182.9	98.9	30	.1	259.2	106.3	95	1.3	279.5	106.3
331	6.3	189.2	101.2	31	.0	259.2	106.3	96	1.2	280.7	106.3
332	5.5	194.7	102.7	32	.0	259.2	106.3	97	1.1	281.8	106.3
333	5.2	199.9	103.9	33	.0	259.2	106.3	98	1.0	282.8	106.3
334	4.7	204.6	104.6	34	.1	259.3	106.3	99	1.1	283.9	106.3
335	4.8	209.4	105.4	35	.1	259.4	106.3	100	1.1	285.0	106.3
336	4.8	214.3	106.3	36	.1	259.5	106.3				
337	3.6	217.9	106.3	37	.1	259.6	106.3				
338	3.9	221.8	106.3	38	.1	259.7	106.3				
339	3.9	225.7	106.3	39	.1	259.9	106.3				
340	3.7	229.4	106.3	40	.1	260.0	106.3				
341	3.7	233.1	106.3	41	.1	260.1	106.3				
342	2.8	236.0	106.3	42	.1	260.2	106.3				
343	1.9	237.8	106.3	43	.1	260.3	106.3				
344	2.0	239.8	106.3	44	-.1	260.3	106.3				
345	2.3	242.0	106.3	45	-.2	260.3	106.3				
346	2.4	244.4	106.3	46	.0	260.3	106.3				
347	1.7	246.1	106.3	47	-.1	260.3	106.3				
348	1.8	247.9	106.3	48	-.1	260.3	106.3				
349	1.6	249.5	106.3	49	-.1	260.3	106.3				
350	1.2	250.7	106.3	50	-.1	260.3	106.3				
351	.8	251.5	106.3	51	-.1	260.3	106.3				
352	.6	252.1	106.3	52	-.1	260.3	106.3				
353	.3	252.3	106.3	53	-.1	260.3	106.3				
354	.1	252.5	106.3	54	-.1	260.3	106.3				
355	.2	252.7	106.3	55	.0	260.3	106.3				
356	.3	252.9	106.3	56	.0	260.3	106.3				
357	.3	253.2	106.3	57	.0	260.3	106.3				
358	.4	253.6	106.3	58	.0	260.3	106.3				
359	.4	254.0	106.3	59	.0	260.3	106.3				
360	.3	254.3	106.3	60	.0	260.3	106.3				
361	.3	254.6	106.3	61	.1	260.4	106.3				
362	.4	254.9	106.3	62	.0	260.4	106.3				
363	.3	255.3	106.3	63	.0	260.4	106.3				
364	.3	255.6	106.3	64	.0	260.5	106.3				
365	.3	255.9	106.3	65	.1	260.5	106.3				
1	.4	256.3	106.3	66	.0	260.5	106.3				
2	.4	256.6	106.3	67	.0	260.5	106.3				
3	.4	257.0	106.3	68	.0	260.6	106.3				
4	.4	257.4	106.3	69	.0	260.6	106.3				
5	.3	257.6	106.3	70	.0	260.6	106.3				
6	.2	257.9	106.3	71	.0	260.6	106.3				
7	.0	257.9	106.3	72	.1	260.7	106.3				
8	.1	258.0	106.3	73	.2	260.8	106.3				
9	.2	258.2	106.3	74	.2	261.1	106.3				

STN 455 DEPTH 2M





SHIP HARBOUR NS (INNER)
44.81N 62.86W 1800Z 06/11/89 - 2200Z 10/04/90
INST. 4394

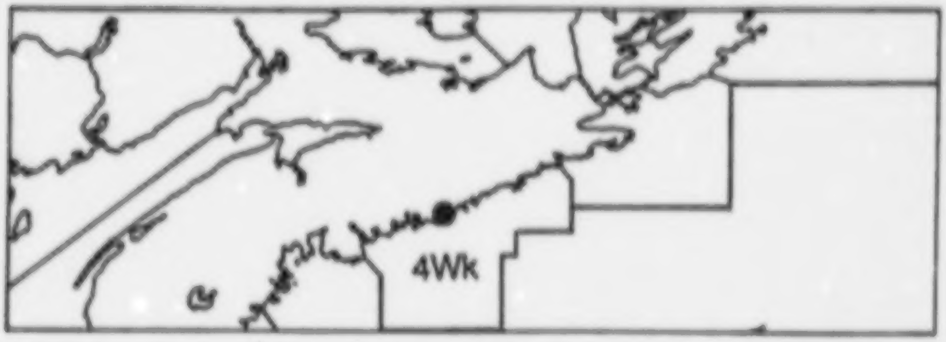
SHIP HARBOUR NS (INNER)

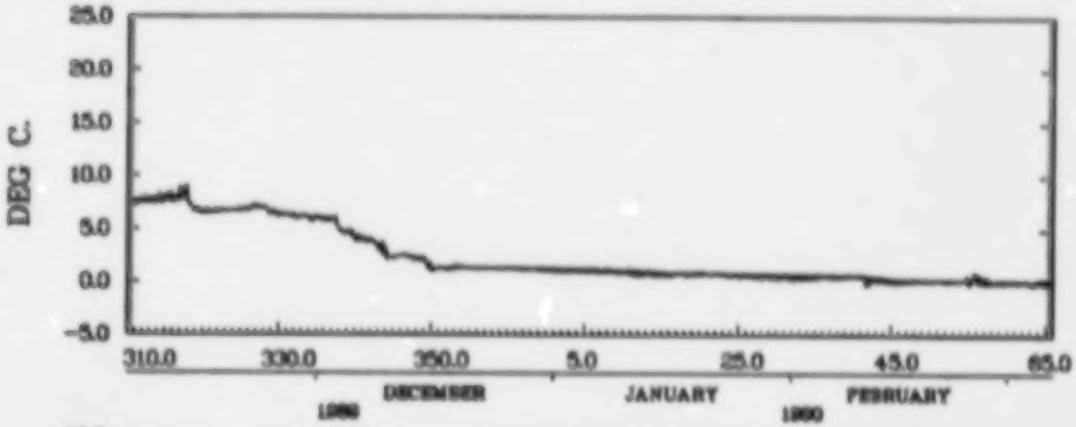
STA. 4WK 456

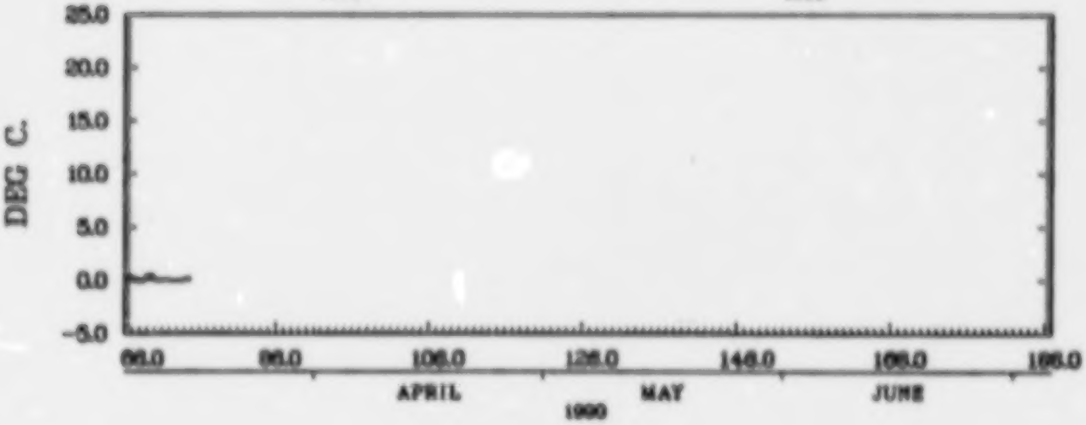
WATER DEPTH 13.7M.
INST DEPTH 10.0M.
LATITUDE 44.81
LONGITUDE 62.86
FROM 6/11/ 89
TO 15/ 3/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
310	7.5	7.5	3.5	10	1.0	260.3	80.9				
311	7.5	15.0	7.0	11	.9	261.2	80.9				
312	7.6	22.7	10.7	12	.9	262.1	80.9				
313	7.6	30.3	14.3	13	.9	263.0	80.9				
314	7.8	38.1	18.1	14	.8	263.8	80.9				
315	7.9	45.9	21.9	15	.8	264.6	80.9				
316	7.9	53.9	25.9	16	.8	265.4	80.9				
317	8.2	62.0	30.0	17	.8	266.2	80.9				
318	7.1	69.1	33.1	18	.8	267.0	80.9				
319	6.7	75.8	35.8	19	.9	267.9	80.9				
320	6.6	82.4	38.4	20	.8	268.7	80.9				
321	6.6	89.1	41.1	21	.8	269.5	80.9				
322	6.7	95.7	43.8	22	.8	270.3	80.9				
323	6.7	102.5	46.5	23	.7	271.1	80.9				
324	6.8	109.2	49.2	24	.7	271.8	80.9				
325	6.8	116.0	52.0	25	.7	272.5	80.9				
326	7.0	123.0	55.0	26	.7	273.2	80.9				
327	7.1	130.0	58.0	27	.7	273.9	80.9				
328	6.8	136.8	60.8	28	.7	274.6	80.9				
329	6.4	143.3	63.2	29	.6	275.2	80.9				
330	6.4	149.6	65.6	30	.6	275.8	80.9				
331	6.3	155.9	67.9	31	.6	276.4	80.9				
332	6.1	162.0	70.0	32	.6	277.0	80.9				
333	6.2	168.1	72.1	33	.6	277.6	80.9				
334	6.0	174.1	74.1	34	.6	278.1	80.9				
335	6.0	180.1	76.1	35	.6	278.8	80.9				
336	5.9	186.1	78.1	36	.6	279.4	80.9				
337	5.6	191.7	79.7	37	.6	280.0	80.9				
338	4.7	196.4	80.4	38	.6	280.7	80.9				
339	4.5	200.9	80.9	39	.6	281.3	80.9				
340	4.0	204.9	80.9	40	.7	281.9	80.9				
341	3.9	208.9	80.9	41	.5	282.4	80.9				
342	3.7	212.6	80.9	42	.4	282.8	80.9				
343	3.2	215.7	80.9	43	.4	283.2	80.9				
344	2.4	218.1	80.9	44	.3	283.5	80.9				
345	2.4	220.5	80.9	45	.2	283.7	80.9				
346	2.5	222.9	80.9	46	.2	283.9	80.9				
347	2.3	225.2	80.9	47	.2	284.1	80.9				
348	2.2	227.4	80.9	48	.3	284.4	80.9				
349	1.7	229.1	80.9	49	.3	284.6	80.9				
350	1.2	230.3	80.9	50	.2	284.8	80.9				
351	1.3	231.6	80.9	51	.2	285.1	80.9				
352	1.3	232.9	80.9	52	.2	285.3	80.9				
353	1.4	234.3	80.9	53	.2	285.4	80.9				
354	1.3	235.7	80.9	54	.3	285.7	80.9				
355	1.3	237.0	80.9	55	.4	286.2	80.9				
356	1.3	238.2	80.9	56	.2	286.4	80.9				
357	1.3	239.5	80.9	57	.1	286.5	80.9				
358	1.3	240.8	80.9	58	.1	286.6	80.9				
359	1.3	242.1	80.9	59	.1	286.7	80.9				
360	1.3	243.4	80.9	60	.1	286.8	80.9				
361	1.3	244.6	80.9	61	.1	286.8	80.9				
362	1.2	245.9	80.9	62	.1	286.9	80.9				
363	1.2	247.1	80.9	63	.0	286.9	80.9				
364	1.2	248.3	80.9	64	.1	287.0	80.9				
365	1.2	249.4	80.9	65	.1	287.1	80.9				
1	1.2	250.6	80.9	66	.1	287.2	80.9				
2	1.1	251.7	80.9	67	.1	287.3	80.9				
3	1.1	252.8	80.9	68	.0	287.3	80.9				
4	1.1	254.0	80.9	69	.3	287.6	80.9				
5	1.1	255.1	80.9	70	.0	287.7	80.9				
6	1.1	256.2	80.9	71	.1	287.7	80.9				
7	1.1	257.2	80.9	72	.0	287.7	80.9				
8	1.1	258.3	80.9	73	.0	287.7	80.9				
9	1.0	259.3	80.9	74	.2	287.9	80.9				

STN 456 DEPTH 10M







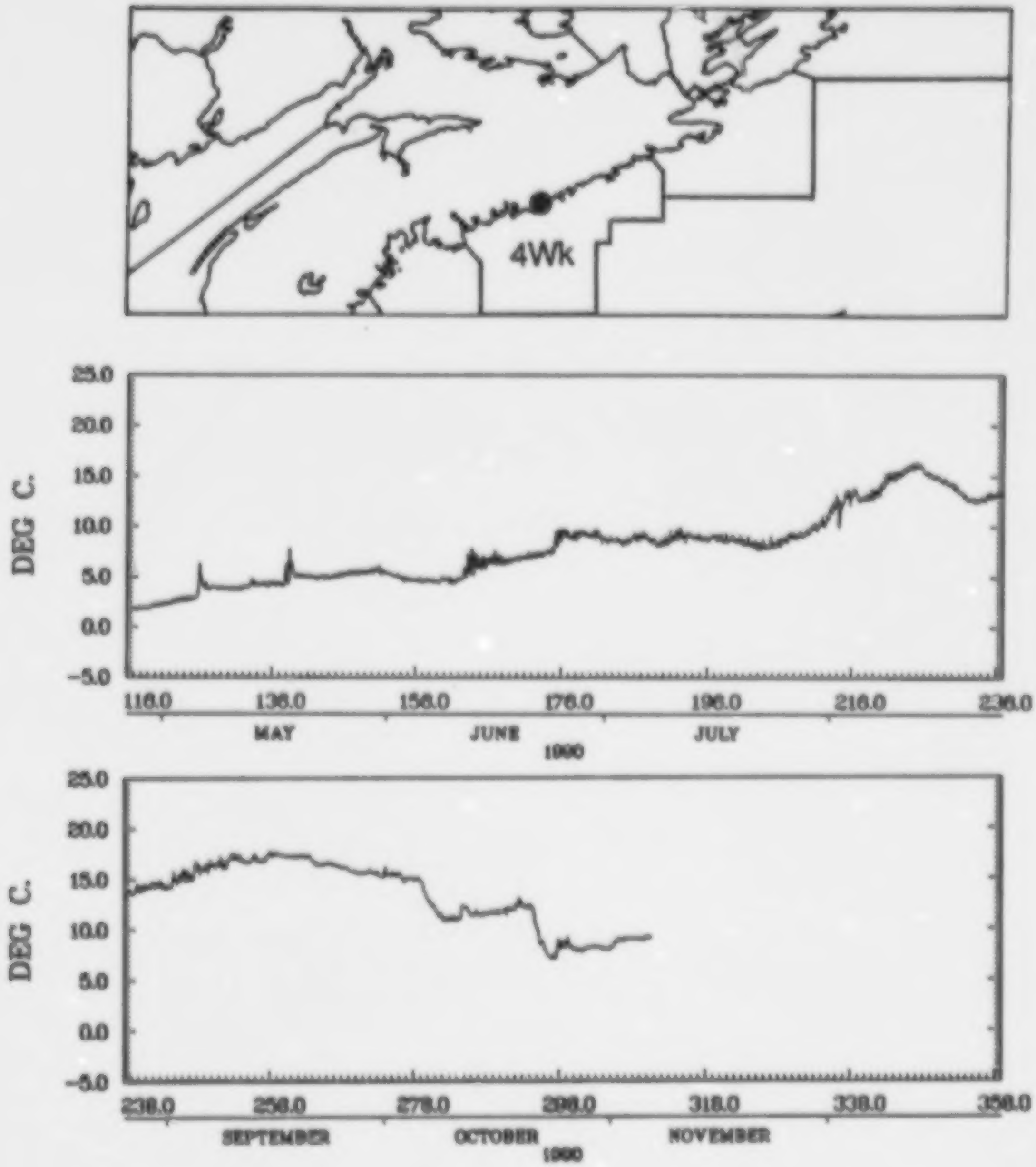
SHIP HARBOUR NS (INNER)
44.81N 62.86W 1800Z 06/11/89 - 1900Z 15/03/90
INST. 4391

SHIP HARBOUR NS (INNER) STA. 4WK 457

WATER DEPTH 13.7M.
INST DEPTH 3.0M.
LATITUDE 44.81
LONGITUDE 62.86
FROM 26/ 4/ 90
TO 6/11/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
116	1.8	1.8	.0	181	8.9	344.8	98.3	246	15.5	1094.8	588.3
117	1.8	3.6	.0	182	8.6	353.4	102.9	247	15.7	1110.4	600.0
118	1.9	5.5	.0	183	8.6	362.0	107.5	248	16.0	1126.5	612.0
119	2.0	7.5	.0	184	8.5	370.4	112.0	249	16.3	1142.8	624.3
120	2.2	9.8	.0	185	8.7	379.2	116.7	250	16.4	1159.2	636.7
121	2.3	12.1	.0	186	8.9	388.1	121.6	251	16.5	1175.7	649.2
122	2.5	14.6	.0	187	9.0	397.1	126.6	252	17.0	1192.7	662.3
123	2.7	17.3	.0	188	8.5	405.6	131.1	253	17.2	1209.9	675.4
124	2.8	20.1	.0	189	8.3	413.9	135.4	254	16.8	1226.7	688.2
125	3.1	23.2	.0	190	8.7	422.5	140.1	255	16.9	1243.6	701.1
126	4.6	27.8	.6	191	9.0	431.5	145.1	256	16.9	1260.5	714.1
127	3.9	31.7	.6	192	9.1	440.7	150.2	257	17.0	1277.6	727.1
128	3.9	35.6	.6	193	9.1	449.8	155.3	258	17.5	1295.1	740.6
129	3.8	39.4	.6	194	9.0	458.7	160.3	259	17.4	1312.5	754.0
130	3.8	43.2	.6	195	8.7	467.5	165.0	260	17.3	1329.7	767.3
131	3.8	47.0	.6	196	8.9	476.4	169.9	261	17.2	1346.9	780.5
132	4.0	51.0	.6	197	8.9	485.2	174.8	262	17.2	1364.2	793.7
133	4.4	55.4	1.0	198	8.7	493.9	179.5	263	17.1	1381.3	806.8
134	4.3	59.7	1.2	199	8.8	502.7	184.2	264	16.5	1397.8	819.4
135	4.3	63.9	1.5	200	8.6	511.3	188.8	265	16.4	1414.3	831.8
136	4.3	68.3	1.8	201	8.4	519.7	193.2	266	16.5	1430.8	844.3
137	4.5	72.7	2.3	202	8.1	527.8	197.4	267	16.3	1447.1	856.6
138	5.7	78.5	4.0	203	8.1	535.9	201.5	268	16.1	1463.2	868.7
139	5.1	83.6	5.2	204	8.1	544.0	205.6	269	15.8	1479.0	880.5
140	5.1	88.7	6.2	205	8.2	552.2	209.8	270	15.6	1494.5	892.1
141	5.0	93.7	7.2	206	8.6	560.8	214.3	271	15.7	1510.2	903.7
142	4.9	98.6	8.2	207	9.0	569.8	219.3	272	15.6	1525.8	915.4
143	5.0	103.6	9.1	208	9.1	578.9	224.5	273	15.4	1541.2	926.7
144	5.0	108.6	10.1	209	9.3	588.2	229.8	274	15.5	1556.7	938.3
145	5.2	113.8	11.3	210	9.8	598.1	235.6	275	15.5	1572.2	949.7
146	5.3	119.1	12.6	211	10.2	608.3	241.8	276	15.1	1587.3	960.8
147	5.4	124.4	14.0	212	10.7	619.0	248.5	277	15.0	1602.3	971.9
148	5.5	129.9	15.4	213	12.1	631.1	256.6	278	14.9	1617.3	982.8
149	5.5	135.4	16.9	214	11.8	642.9	264.4	279	14.0	1631.3	992.8
150	5.6	141.0	18.6	215	13.1	655.9	273.5	280	12.6	1643.8	1001.4
151	5.4	146.4	20.0	216	13.3	669.2	282.8	281	11.6	1655.5	1009.0
152	5.3	151.7	21.2	217	12.8	682.0	291.5	282	11.0	1666.5	1016.0
153	5.1	156.7	22.3	218	13.0	695.0	300.6	283	11.1	1677.6	1023.1
154	4.8	161.5	23.1	219	13.5	708.5	310.0	284	11.5	1689.1	1030.6
155	4.7	166.2	23.8	220	14.5	723.0	320.6	285	11.9	1701.0	1038.6
156	4.7	170.9	24.5	221	15.1	738.1	331.6	286	11.5	1712.5	1046.0
157	4.6	175.6	25.1	222	15.3	753.3	342.9	287	11.5	1724.0	1053.5
158	4.6	180.2	25.7	223	15.7	769.0	354.6	288	11.6	1735.6	1061.1
159	4.7	184.8	26.4	224	16.0	785.0	366.6	289	11.7	1747.3	1068.8
160	4.7	189.6	27.1	225	15.9	801.0	378.5	290	11.8	1759.1	1076.6
161	4.6	194.2	27.7	226	15.3	816.2	389.8	291	12.0	1771.1	1084.6
162	5.1	199.3	28.8	227	15.0	831.2	400.7	292	12.5	1783.6	1093.1
163	6.4	205.7	31.2	228	14.6	845.8	411.4	293	12.2	1795.8	1101.3
164	6.5	212.2	33.7	229	14.3	860.1	421.7	294	11.5	1807.3	1108.9
165	6.4	218.6	36.1	230	13.8	873.9	431.4	295	9.0	1816.3	1113.9
166	6.7	225.3	38.8	231	13.1	887.0	440.6	296	7.6	1823.9	1117.5
167	6.6	231.9	41.5	232	12.7	899.7	449.3	297	7.6	1831.5	1121.1
168	6.5	238.5	44.0	233	12.6	912.3	457.9	298	8.4	1840.0	1125.5
169	6.7	245.2	46.7	234	12.9	925.2	466.8	299	8.4	1848.3	1129.9
170	6.9	252.1	49.6	235	13.1	938.3	475.8	300	8.0	1856.3	1133.9
171	7.0	259.1	52.6	236	13.3	951.6	485.1	301	8.0	1864.4	1137.9
172	7.2	266.3	55.8	237	13.4	964.9	494.5	302	8.2	1872.6	1142.1
173	7.3	273.6	59.1	238	13.6	978.5	504.0	303	8.2	1880.8	1146.3
174	7.5	281.1	62.6	239	13.9	992.4	513.9	304	8.1	1888.8	1150.4
175	8.8	289.9	67.5	240	14.1	1006.5	524.0	305	8.5	1897.3	1154.9
176	9.3	299.2	72.8	241	14.4	1020.9	534.4	306	8.9	1906.3	1159.8
177	9.1	308.3	77.8	242	14.5	1035.3	544.9	307	9.1	1915.3	1164.9
178	9.2	317.5	83.1	243	14.3	1049.7	555.2	308	9.1	1924.4	1169.9
179	9.2	326.7	88.2	244	14.6	1064.3	565.8	309	9.1	1933.4	1175.0
180	9.2	335.9	93.4	245	15.0	1079.3	576.8	310	9.2	1942.6	1180.2

STN 457 DEPTH 3M



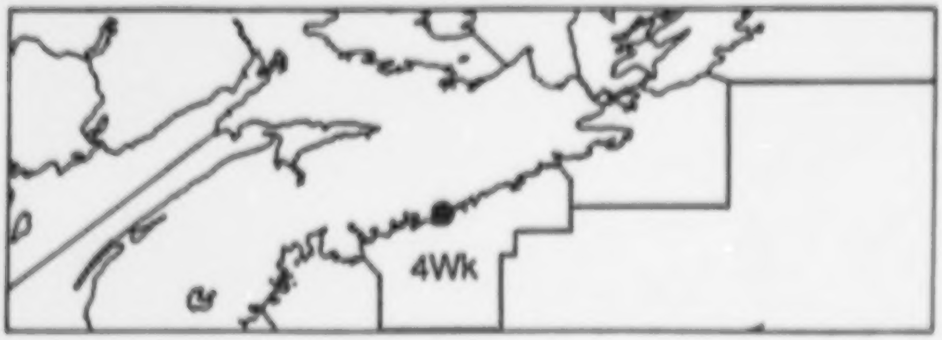
SHIP HARBOUR NS (INNER)
44.81N 62.86W 1800Z 26/04/90 - 1500Z 06/11/90
INST. 4399

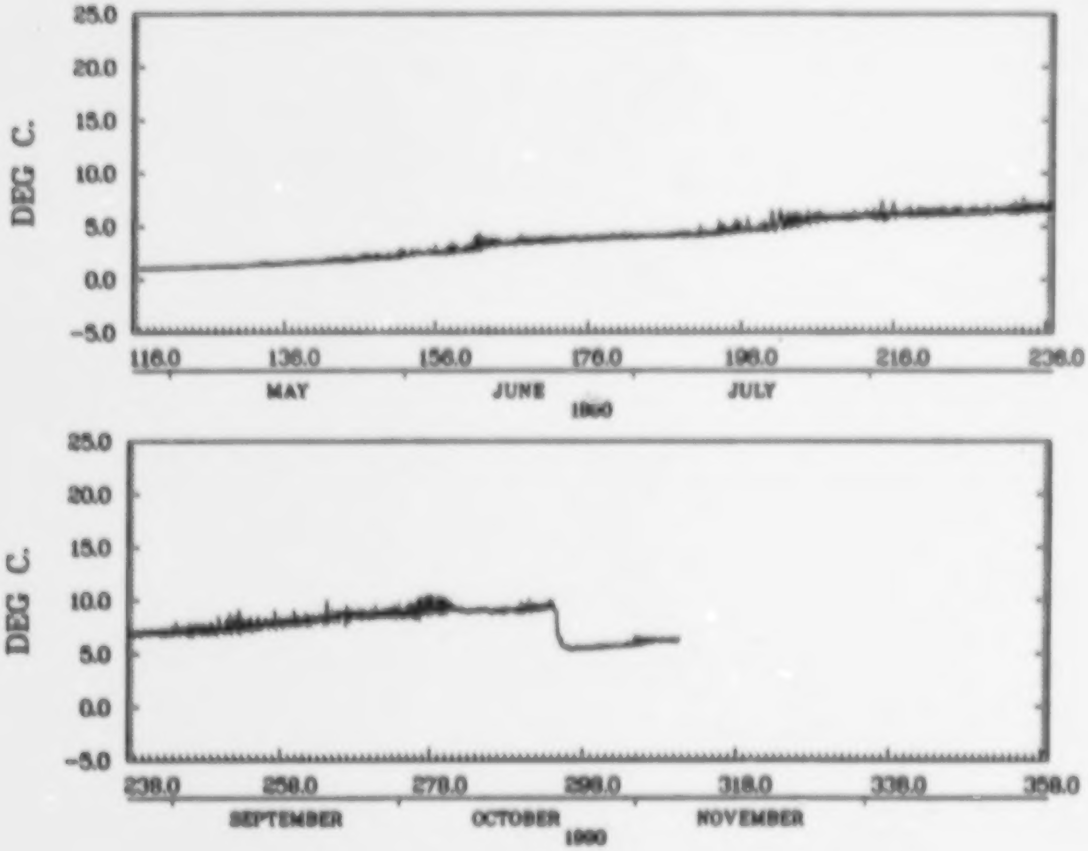
SHIP HARBOUR NS (INNER)   STA. 4WK 458

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
13.7M.	12.0M.	44.81	62.86	26/ 4/ 90	6/11/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
116	1.0	1.0	.0	181	4.0	154.6	.0	246	7.2	531.0	116.5
117	1.0	2.0	.0	182	4.0	158.5	.0	247	7.3	538.3	119.8
118	1.0	3.1	.0	183	4.1	162.6	.1	248	7.3	545.5	123.0
119	1.1	4.1	.0	184	4.1	166.7	.2	249	7.4	552.9	126.4
120	1.1	5.2	.0	185	4.1	170.8	.3	250	7.4	560.3	129.8
121	1.1	6.3	.0	186	4.1	174.9	.4	251	7.6	567.9	133.4
122	1.1	7.4	.0	187	4.2	179.1	.6	252	7.8	575.7	137.2
123	1.1	8.5	.0	188	4.2	183.3	.8	253	7.7	583.4	140.9
124	1.2	9.7	.0	189	4.2	187.5	1.0	254	7.7	591.1	144.6
125	1.2	10.9	.0	190	4.3	191.8	1.3	255	7.8	598.9	148.3
126	1.2	12.1	.0	191	4.3	196.1	1.5	256	7.9	606.7	152.2
127	1.2	13.3	.0	192	4.3	200.4	1.9	257	7.9	614.7	156.1
128	1.2	14.5	.0	193	4.7	205.1	2.5	258	7.9	622.6	160.1
129	1.2	15.8	.0	194	4.6	209.6	3.1	259	8.0	630.6	164.1
130	1.3	17.0	.0	195	4.7	214.3	3.8	260	8.1	638.6	168.1
131	1.3	18.4	.0	196	4.7	219.0	4.5	261	8.2	646.8	172.3
132	1.4	19.7	.0	197	4.7	223.7	5.2	262	8.2	655.0	176.5
133	1.4	21.2	.0	198	4.8	228.5	6.0	263	8.2	663.3	180.8
134	1.4	22.6	.0	199	5.0	233.6	7.0	264	8.5	671.8	185.3
135	1.5	24.1	.0	200	5.2	238.8	8.3	265	8.5	680.3	189.7
136	1.5	25.6	.0	201	5.5	244.3	9.7	266	8.6	688.9	194.4
137	1.5	27.2	.0	202	5.5	249.8	11.3	267	8.6	697.5	199.0
138	1.6	28.8	.0	203	5.6	255.3	12.8	268	8.6	706.1	203.6
139	1.6	30.4	.0	204	5.6	261.0	14.5	269	8.7	714.8	208.3
140	1.6	32.0	.0	205	5.7	266.7	16.1	270	8.7	723.5	213.0
141	1.7	33.7	.0	206	5.8	272.5	18.0	271	8.8	732.3	217.8
142	1.8	35.5	.0	207	5.8	278.3	19.8	272	8.8	741.1	222.6
143	1.8	37.3	.0	208	5.8	284.1	21.6	273	8.9	750.0	227.5
144	1.8	39.1	.0	209	5.9	290.0	23.4	274	8.8	758.8	232.3
145	1.9	41.0	.0	210	5.9	295.8	25.3	275	9.1	767.9	237.3
146	2.0	43.0	.0	211	5.9	301.8	27.2	276	9.3	777.2	242.7
147	2.0	45.0	.0	212	6.0	307.8	29.3	277	9.4	786.6	248.0
148	2.1	47.1	.0	213	6.0	313.9	31.3	278	9.5	796.1	253.6
149	2.1	49.1	.0	214	6.1	319.9	33.4	279	9.6	805.7	259.2
150	2.2	51.3	.0	215	6.2	326.1	35.6	280	9.5	815.2	264.7
151	2.3	53.6	.0	216	6.1	332.2	37.7	281	9.2	824.4	269.9
152	2.4	56.0	.0	217	6.2	338.4	39.9	282	9.1	833.5	275.0
153	2.5	58.5	.0	218	6.2	344.6	42.1	283	9.0	842.5	280.0
154	2.4	60.9	.0	219	6.3	350.9	44.3	284	9.1	851.6	285.0
155	2.5	63.4	.0	220	6.3	357.2	46.6	285	9.1	860.6	290.1
156	2.6	66.0	.0	221	6.3	363.5	49.0	286	9.0	869.6	295.1
157	2.6	68.6	.0	222	6.3	369.8	51.3	287	9.0	878.7	300.1
158	2.8	71.4	.0	223	6.3	376.1	53.6	288	9.1	887.8	305.2
159	2.7	74.2	.0	224	6.4	382.4	55.9	289	9.1	896.8	310.3
160	2.9	77.1	.0	225	6.3	388.8	58.3	290	9.2	906.1	315.5
161	3.6	80.7	.0	226	6.4	395.2	60.7	291	9.3	915.3	320.8
162	3.4	84.0	.0	227	6.4	401.5	63.0	292	9.3	924.6	326.1
163	3.4	87.5	.0	228	6.4	408.0	65.5	293	9.5	934.1	331.6
164	3.4	90.9	.0	229	6.5	414.5	67.9	294	8.3	942.5	335.9
165	3.4	94.3	.0	230	6.5	421.0	70.4	295	5.8	948.3	337.8
166	3.5	97.8	.0	231	6.5	427.5	73.0	296	5.5	953.8	339.3
167	3.6	101.4	.0	232	6.6	434.1	75.6	297	5.6	959.3	340.8
168	3.5	104.9	.0	233	6.7	440.8	78.2	298	5.6	964.9	342.4
169	3.6	108.5	.0	234	6.7	447.5	81.0	299	5.6	970.5	344.0
170	3.6	112.1	.0	235	6.8	454.2	83.7	300	5.7	976.2	345.6
171	3.7	115.8	.0	236	6.8	461.1	86.5	301	5.7	981.9	347.3
172	3.7	119.5	.0	237	6.8	467.8	89.3	302	5.8	987.6	349.1
173	3.8	123.3	.0	238	6.9	474.7	92.2	303	5.8	993.4	350.9
174	3.8	127.1	.0	239	6.9	481.6	95.1	304	6.0	999.4	352.9
175	3.8	130.9	.0	240	7.0	488.5	98.0	305	6.1	1005.5	355.0
176	3.9	134.8	.0	241	7.0	495.5	101.0	306	6.2	1011.7	357.2
177	3.9	138.7	.0	242	7.0	502.5	104.0	307	6.2	1018.0	359.4
178	3.9	142.6	.0	243	7.0	509.6	107.0	308	6.2	1024.2	361.7
179	4.0	146.6	.0	244	7.1	516.6	110.1	309	6.2	1030.4	363.9
180	4.0	150.6	.0	245	7.2	523.8	113.3	310	6.3	1036.7	366.2

STN 458 DEPTH 12M





SHIP HARBOUR NS (INNER)
44.81N 62.86W 1800Z 26/04/90 - 1300Z 06/11/90
INST. 4398

BIG THRUM CAP NS

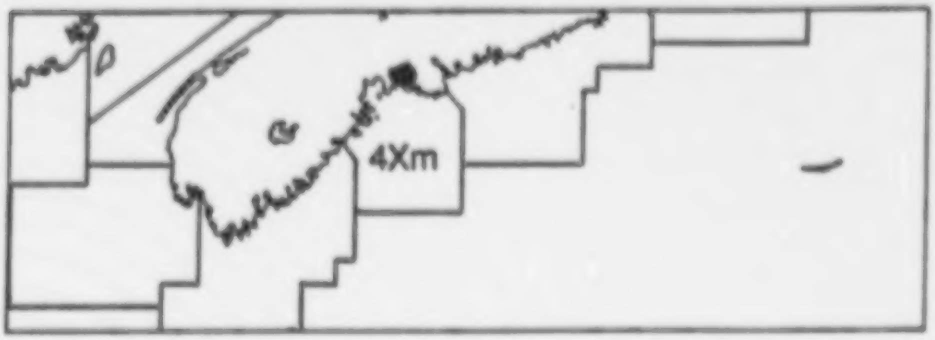
STA. AXM 430

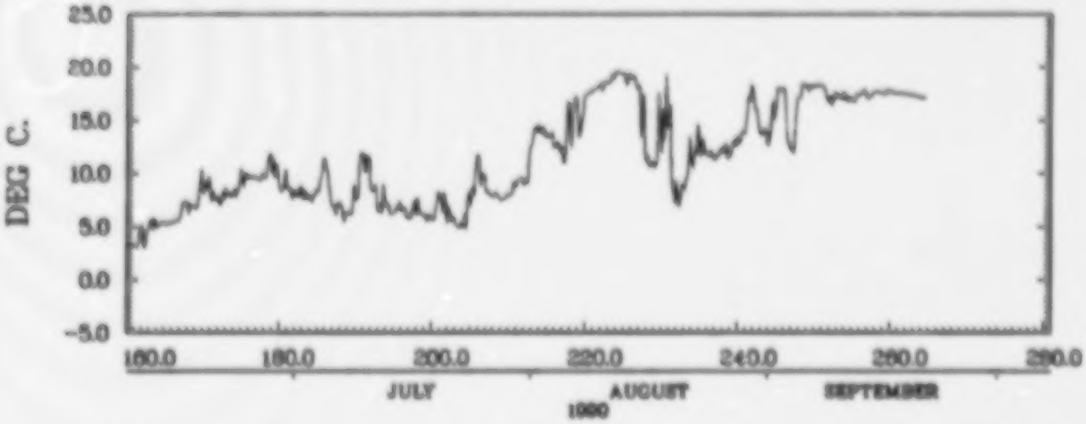
WATER DEPTH 14.0M.   INST DEPTH 13.0M.   LATITUDE 43.50   LONGITUDE 63.95

FROM 9/ 6/ 90   TO 21/ 9/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
160	3.2	3.2	.0	225	19.0	610.4	347.7				
161	3.5	6.7	.0	226	18.8	629.2	362.5				
162	4.1	10.8	.1	227	15.8	645.0	374.3				
163	5.3	16.1	1.4	228	11.0	656.0	381.3				
164	5.2	21.3	2.6	229	12.6	668.6	389.9				
165	5.3	26.6	3.9	230	15.0	683.6	400.9				
166	5.5	32.1	5.4	231	10.8	694.4	407.7				
167	6.8	38.9	8.2	232	8.1	702.5	411.8				
168	6.9	45.8	11.1	233	10.3	712.8	418.1				
169	8.1	53.9	15.2	234	12.0	724.8	426.1				
170	8.8	62.7	20.0	235	12.6	737.4	434.7				
171	7.8	70.5	23.8	236	11.7	749.1	442.4				
172	7.6	78.1	27.4	237	11.7	760.8	450.2				
173	8.1	86.2	31.5	238	12.1	772.9	458.2				
174	8.5	94.7	36.0	239	12.5	785.5	466.7				
175	9.7	104.4	41.7	240	13.5	799.0	476.2				
176	9.6	114.0	47.3	241	16.1	815.1	488.4				
177	9.6	123.6	52.9	242	16.3	831.4	500.7				
178	10.5	134.1	59.4	243	13.8	845.2	510.5				
179	10.3	144.4	65.7	244	14.4	859.7	521.0				
180	8.9	153.3	70.6	245	17.5	877.2	534.5				
181	8.4	161.7	75.0	246	15.4	892.6	545.9				
182	8.2	169.9	79.2	247	13.7	906.3	555.6				
183	8.0	177.8	83.1	248	17.8	924.1	569.4				
184	7.8	185.6	86.9	249	18.1	942.2	583.5				
185	9.5	195.1	92.4	250	18.3	960.5	597.8				
186	9.4	204.5	97.8	251	17.8	978.3	611.6				
187	6.8	211.3	100.6	252	17.1	995.3	624.6				
188	6.4	217.7	103.0	253	17.2	1012.5	637.8				
189	6.9	224.6	105.9	254	17.1	1029.6	650.9				
190	9.5	234.1	111.4	255	17.1	1046.8	664.1				
191	11.1	245.2	118.5	256	17.6	1064.4	677.7				
192	8.4	253.7	123.0	257	17.3	1081.7	691.0				
193	7.1	260.8	126.1	258	17.7	1099.4	704.7				
194	6.7	267.5	128.8	259	17.7	1117.0	718.3				
195	6.7	274.2	131.5	260	17.6	1134.7	732.0				
196	6.4	280.6	133.9	261	17.5	1152.2	745.5				
197	6.5	287.1	136.4	262	17.4	1169.7	759.0				
198	6.5	293.6	138.9	263	17.3	1186.9	772.2				
199	5.9	299.5	140.8	264	17.2	1204.1	785.4				
200	6.5	306.0	143.3								
201	7.4	313.4	146.7								
202	6.0	319.4	148.7								
203	5.2	324.5	149.9								
204	6.0	330.6	151.9								
205	8.8	339.4	156.7								
206	10.1	349.5	162.8								
207	8.1	357.6	166.9								
208	7.9	365.6	170.8								
209	7.7	373.2	174.5								
210	8.4	381.6	178.9								
211	9.3	391.0	184.3								
212	10.1	401.1	190.4								
213	13.8	414.9	200.2								
214	14.0	428.9	210.2								
215	13.4	442.2	219.5								
216	12.6	454.8	228.1								
217	13.5	468.3	237.6								
218	15.6	483.9	249.2								
219	15.1	499.0	260.3								
220	17.5	516.5	273.8								
221	18.1	534.6	287.9								
222	18.3	552.9	302.2								
223	18.9	571.9	317.1								
224	19.5	591.4	332.7								

STN 430 DEPTH 13M





BIG THRUM CAP NS
43.59N 63.95W 0400Z 09/06/90 - 1600Z 21/09/90
INST. 63325

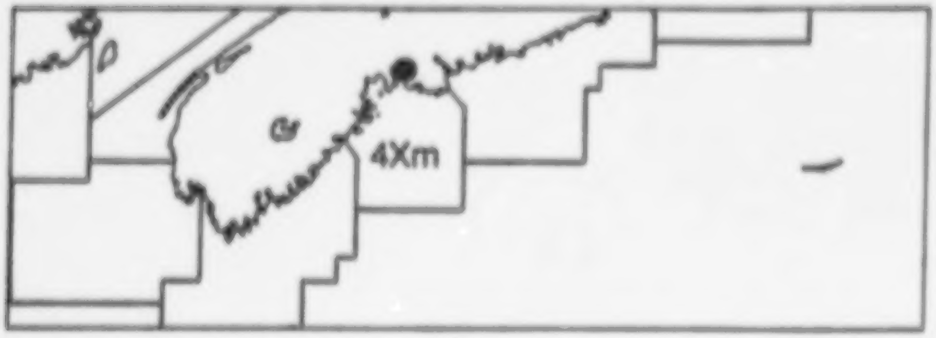
INDIAN PT NS

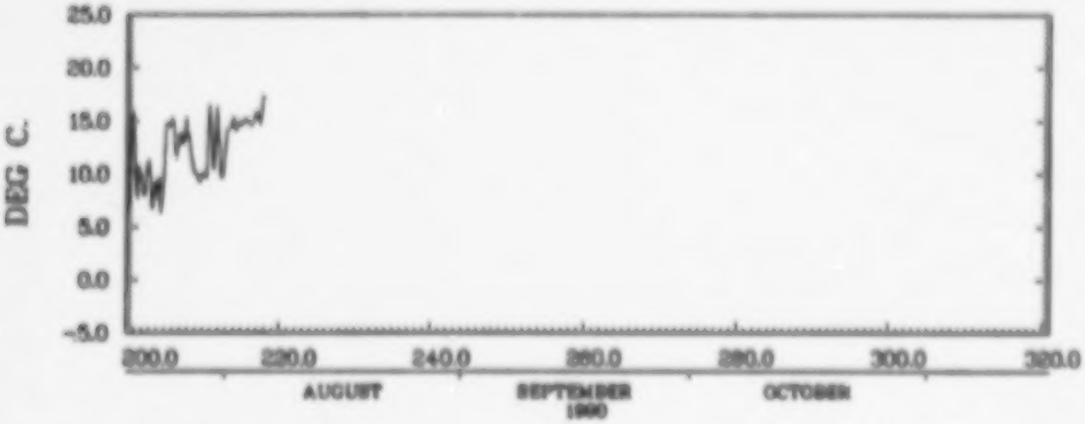
STA. 4XM 426

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
11.0M.	9.0M.	44.64	63.94	19/ 7/ 90	5/ 8/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
200	10.9	10.9	6.9								
201	10.1	21.0	13.0								
202	9.3	30.3	18.3								
203	8.5	38.9	22.9								
204	8.4	47.3	27.3								
205	13.9	61.2	37.2								
206	13.1	74.3	46.3								
207	13.9	88.2	56.2								
208	11.9	100.1	64.1								
209	9.7	109.8	69.8								
210	11.6	121.4	77.4								
211	13.5	134.9	86.9								
212	11.1	146.0	94.0								
213	14.1	160.1	104.1								
214	14.6	174.7	114.7								
215	14.9	189.7	125.7								
216	14.9	204.6	136.6								
217	15.7	220.3	148.3								

STN 426 DEPTH 9M





INDIAN POINT NS
44.64N 63.94W 0800Z 19/07/90 - 0000Z 06/08/90
INST. 63297

```
                                                                        STA. 4XM  427
KITTY SHOAL NS
                                                                          FROM           TO
 WATER DEPTH    INST DEPTH    LATITUDE     LONGITUDE                  9/ 6/  90     20/ 6/  90
   22.0M.         13.0M.        44.46        63.79
                                                                      DAY    MEAN    DEG       DEG
   DAY    MEAN    DEG       DEG         DAY    MEAN    DEG       DEG          TEMP  DAY(0)   DAY(4)
          TEMP  DAY(0)   DAY(4)               TEMP  DAY(0)    DAY(4)

   160     4.7     4.7      .7
   161     6.5    11.2     3.2
   162     6.6    17.8     5.8
   163     6.4    24.1     8.1
   164     6.5    30.6    10.6
   165     7.5    38.1    14.1
   166    12.4    50.4    22.4
   167    15.3    65.7    33.7
   168    15.1    80.8    44.8
   169    14.0    94.8    54.8
   170    14.8   109.6    65.6
   171    14.4   124.0    76.0
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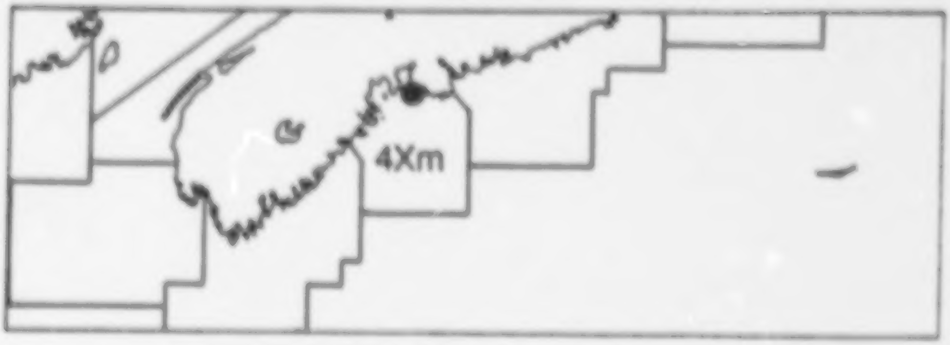
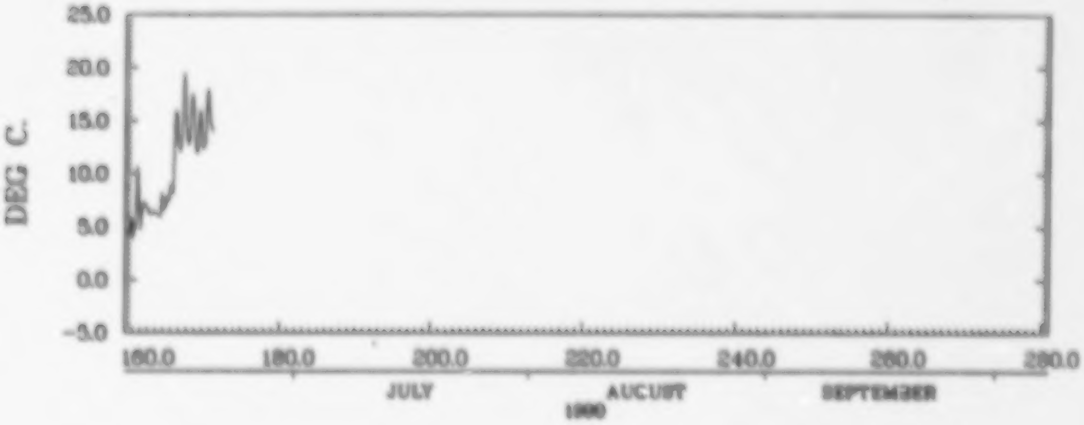
STN 427 DEPTH 13M





KITTY SHOAL NS
44.46N 63.79W 0800Z 09/06/90 - 0800Z 20/06/90
INST. 63297

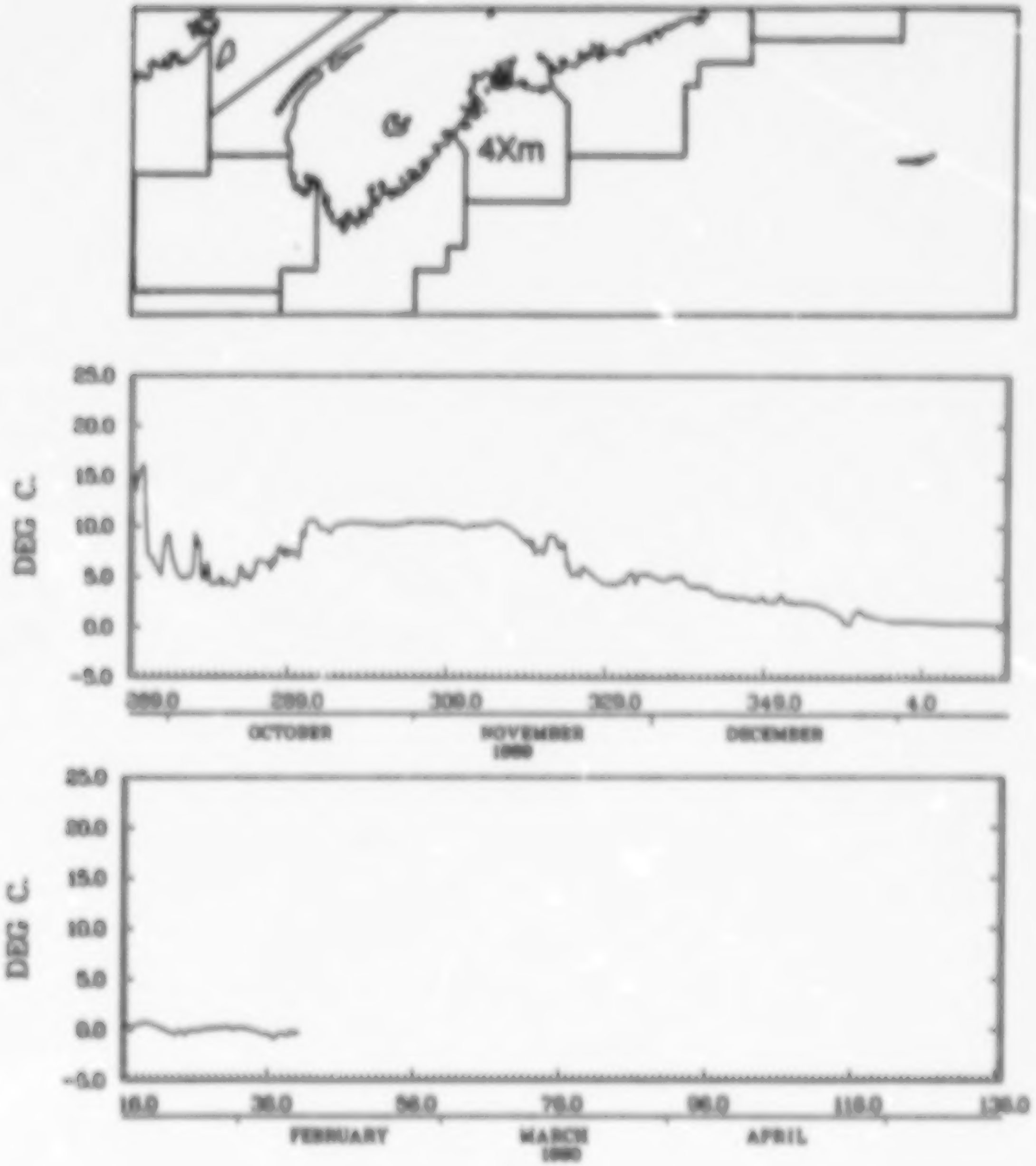
NORTH WEST COVE NS

STA. 40W 410

WATER DEPTH 9.1M.
INST DEPTH 9.0M.
LATITUDE 41.52
LONGITUDE 64.00
FROM 26/ 9/ 89
TO 9/ 2/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
269	14.3	14.3	10.3	334	5.3	536.1	272.1	34	-.2	631.2	276.2
270	15.6	30.0	22.0	335	5.0	541.1	273.1	35	-.4	631.2	276.2
271	8.4	38.4	26.4	336	4.7	545.8	273.8	36	-.6	631.2	276.2
272	6.0	44.4	28.4	337	5.0	550.8	274.8	37	-.6	631.2	276.2
273	7.7	52.1	32.1	338	5.1	555.8	275.8	38	-.5	631.2	276.2
274	7.2	59.3	35.3	339	4.3	560.1	276.1	39	-.3	631.2	276.2
275	5.1	64.4	36.4	340	4.1	564.2	276.2	40	-.3	631.2	276.2
276	5.0	69.4	37.4	341	4.0	568.2	276.2				
277	7.8	77.2	41.2	342	3.7	571.9	276.2				
278	5.6	82.8	42.8	343	3.2	575.1	276.2				
279	4.6	87.4	43.4	344	3.2	578.3	276.2				
280	4.5	91.9	43.9	345	3.0	581.3	276.2				
281	4.4	96.3	44.3	346	3.0	584.3	276.2				
282	4.4	100.7	44.7	347	2.8	587.1	276.2				
283	5.5	106.2	46.2	348	2.9	590.0	276.2				
284	5.1	111.2	47.2	349	2.7	592.7	276.2				
285	6.6	117.8	49.8	350	2.7	595.3	276.2				
286	6.3	124.1	52.1	351	2.9	598.3	276.2				
287	6.9	131.0	55.0	352	2.6	600.9	276.2				
288	7.6	138.6	58.6	353	2.5	603.3	276.2				
289	7.4	145.9	61.9	354	2.5	605.8	276.2				
290	7.8	153.7	65.7	355	2.4	608.1	276.2				
291	10.0	163.8	71.8	356	2.1	610.3	276.2				
292	10.5	174.3	78.3	357	1.7	612.0	276.2				
293	9.7	184.0	84.0	358	1.3	613.3	276.2				
294	9.6	193.6	89.6	359	.5	613.8	276.2				
295	10.2	203.8	95.8	360	1.2	615.0	276.2				
296	10.3	214.1	102.1	361	1.5	616.5	276.2				
297	10.4	224.5	108.5	362	1.2	617.7	276.2				
298	10.3	234.9	114.9	363	.9	618.6	276.2				
299	10.3	245.2	121.2	364	.8	619.4	276.2				
300	10.2	255.3	127.3	365	.7	620.0	276.2				
301	10.2	265.5	133.5	1	.7	620.7	276.2				
302	10.2	275.7	139.7	2	.7	621.4	276.2				
303	10.3	286.0	146.0	3	.6	622.0	276.2				
304	10.4	296.5	152.5	4	.6	622.6	276.2				
305	10.5	307.0	159.0	5	.6	623.2	276.2				
306	10.4	317.4	165.4	6	.5	623.7	276.2				
307	10.5	327.8	171.8	7	.5	624.2	276.2				
308	10.5	338.3	178.3	8	.5	624.6	276.2				
309	10.3	348.6	184.6	9	.5	625.1	276.2				
310	10.1	358.8	190.8	10	.5	625.6	276.2				
311	10.0	368.7	196.7	11	.5	626.1	276.2				
312	10.1	378.8	202.8	12	.4	626.5	276.2				
313	10.1	389.0	209.0	13	.4	627.0	276.2				
314	10.2	399.2	215.2	14	.4	627.3	276.2				
315	10.4	409.7	221.7	15	.3	627.6	276.2				
316	10.2	419.9	227.9	16	.3	627.9	276.2				
317	9.8	429.7	233.7	17	.4	628.3	276.2				
318	9.0	438.7	238.7	18	.6	628.9	276.2				
319	8.5	447.2	243.2	19	.7	629.6	276.2				
320	7.7	454.9	246.9	20	.5	630.1	276.2				
321	8.0	462.9	250.9	21	.1	630.2	276.2				
322	9.0	471.9	255.9	22	-.2	630.2	276.2				
323	8.2	480.0	260.0	23	-.3	630.2	276.2				
324	6.1	486.1	262.1	24	-.3	630.2	276.2				
325	5.3	491.4	263.4	25	-.1	630.2	276.2				
326	5.8	497.2	265.2	26	-.1	630.2	276.2				
327	5.2	502.4	266.4	27	.1	630.3	276.2				
328	4.6	507.0	267.0	28	.2	630.4	276.2				
329	4.3	511.4	267.4	29	.2	630.6	276.2				
330	4.3	515.7	267.7	30	.3	630.9	276.2				
331	4.8	520.5	268.5	31	.1	631.0	276.2				
332	5.1	525.6	269.6	32	.2	631.2	276.2				
333	5.2	530.8	270.8	33	.1	631.2	276.2				

STN 418 DEPTH 5M



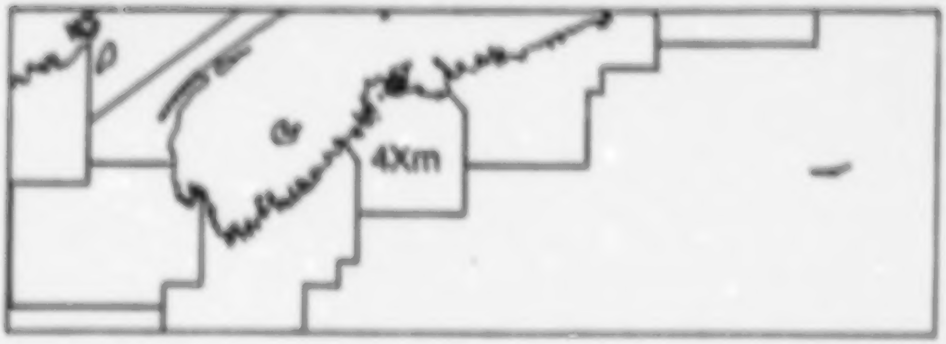
NORTH WEST COVE NS
41.52N 64.00W 1600Z 26/09/89 - 0800Z 09/02/90
INST. 62899

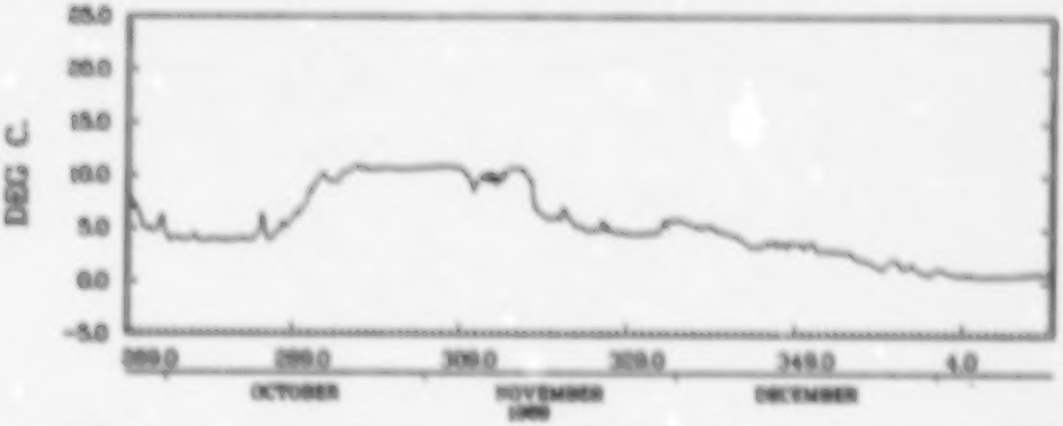
NORTH WEST COVE NS   STA. 40M 419

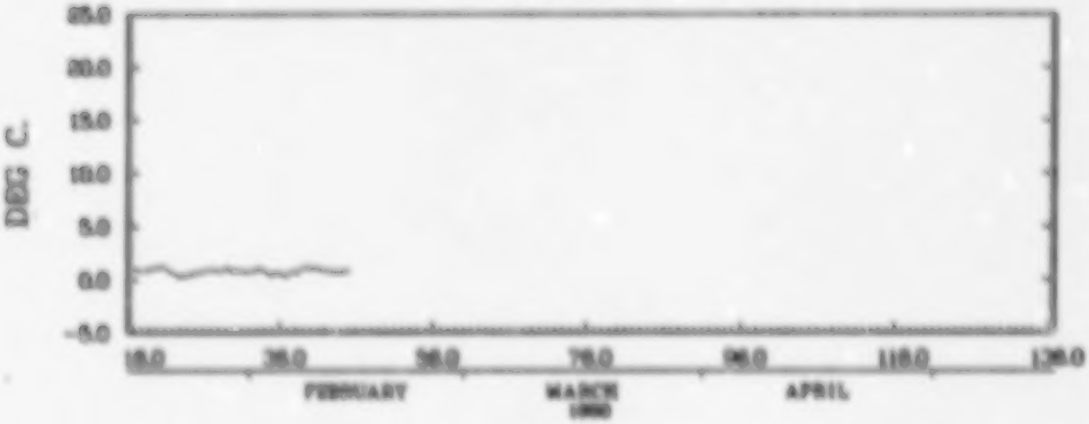
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
36.0M.	36.0M.	44.52	64.00	26/ 9/ 89	14/ 2/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
269	7.5	7.5	3.5	334	5.8	475.6	211.9	34	.6	601.4	220.0
270	6.7	14.2	6.2	335	5.8	481.4	213.7	35	.6	602.0	220.0
271	5.1	19.3	7.3	336	5.5	486.9	215.2	36	.4	602.5	220.0
272	4.8	24.1	8.1	337	5.2	492.1	216.4	37	.6	603.1	220.0
273	5.5	29.6	9.6	338	5.3	497.4	217.7	38	.8	603.9	220.0
274	4.1	33.7	9.7	339	5.0	502.4	218.7	39	1.1	605.0	220.0
275	4.1	37.8	9.8	340	4.7	507.1	219.4	40	1.1	606.1	220.0
276	4.0	41.8	9.8	341	4.5	511.6	219.9	41	1.0	607.0	220.0
277	4.1	45.9	9.9	342	4.1	515.7	220.0	42	.8	607.8	220.0
278	3.9	49.8	9.9	343	3.5	519.2	220.0	43	.7	608.5	220.0
279	4.0	53.8	9.9	344	3.4	522.6	220.0	44	.8	609.3	220.0
280	3.9	57.7	9.9	345	3.6	526.2	220.0	45	.9	610.2	220.0
281	3.9	61.6	9.9	346	3.7	529.9	220.0				
282	4.0	65.6	9.9	347	3.6	533.5	220.0				
283	4.0	69.6	9.9	348	3.6	537.1	220.0				
284	4.2	73.8	10.1	349	3.6	540.7	220.0				
285	5.2	79.0	11.3	350	3.5	544.2	220.0				
286	4.2	83.2	11.5	351	3.3	547.5	220.0				
287	5.0	88.2	12.5	352	3.0	550.4	220.0				
288	5.5	93.6	13.9	353	2.9	553.4	220.0				
289	6.3	100.0	16.3	354	2.9	556.3	220.0				
290	7.3	107.3	19.6	355	2.7	559.0	220.0				
291	8.8	116.1	24.4	356	2.3	561.3	220.0				
292	9.9	126.1	30.4	357	2.0	563.3	220.0				
293	9.6	135.7	36.0	358	1.7	565.0	220.0				
294	9.7	145.4	41.7	359	1.4	566.4	220.0				
295	10.4	155.7	48.1	360	2.0	568.4	220.0				
296	10.8	166.5	54.9	361	1.7	570.2	220.0				
297	10.7	177.2	61.5	362	1.5	571.7	220.0				
298	10.6	187.8	68.1	363	1.3	573.0	220.0				
299	10.6	198.5	74.8	364	.9	573.9	220.0				
300	10.7	209.2	81.5	365	1.0	574.9	220.0				
301	10.6	219.8	88.1	1	1.2	576.1	220.0				
302	10.6	230.4	94.7	2	.9	577.0	220.0				
303	10.7	241.1	101.4	3	.7	577.7	220.0				
304	10.7	251.8	108.1	4	.7	578.4	220.0				
305	10.8	262.5	114.9	5	.7	579.1	220.0				
306	10.9	273.4	121.7	6	.5	579.6	220.0				
307	10.8	284.2	128.5	7	.6	580.2	220.0				
308	10.8	295.0	135.3	8	.6	580.8	220.0				
309	10.4	305.4	141.7	9	.6	581.4	220.0				
310	9.4	314.8	147.1	10	.7	582.1	220.0				
311	9.7	324.5	152.8	11	.7	582.8	220.0				
312	9.8	334.3	158.7	12	.8	583.6	220.0				
313	9.8	344.1	164.4	13	.8	584.4	220.0				
314	10.2	354.3	170.6	14	.8	585.2	220.0				
315	10.6	364.9	177.2	15	.8	586.0	220.0				
316	10.6	375.5	183.8	16	1.0	587.0	220.0				
317	9.6	385.1	189.4	17	.9	587.9	220.0				
318	6.7	391.8	192.2	18	.9	588.8	220.0				
319	6.1	398.0	194.3	19	1.0	589.8	220.0				
320	6.1	404.0	196.3	20	1.2	591.0	220.0				
321	6.4	410.5	198.8	21	.9	591.9	220.0				
322	5.8	416.2	200.5	22	.5	592.4	220.0				
323	5.3	421.5	201.8	23	.3	592.8	220.0				
324	4.9	426.4	202.7	24	.5	593.3	220.0				
325	4.9	431.3	203.6	25	.7	594.0	220.0				
326	5.3	436.6	204.9	26	.8	594.8	220.0				
327	4.8	441.4	205.7	27	.9	595.7	220.0				
328	4.7	446.1	206.4	28	.9	596.6	220.0				
329	4.5	450.6	206.9	29	.9	597.5	220.0				
330	4.5	455.1	207.4	30	.8	598.3	220.0				
331	4.6	459.7	208.0	31	.7	599.0	220.0				
332	4.6	464.3	208.7	32	.8	599.8	220.0				
333	5.5	469.8	210.1	33	1.0	600.8	220.0				

STN 419 DEPTH 36M







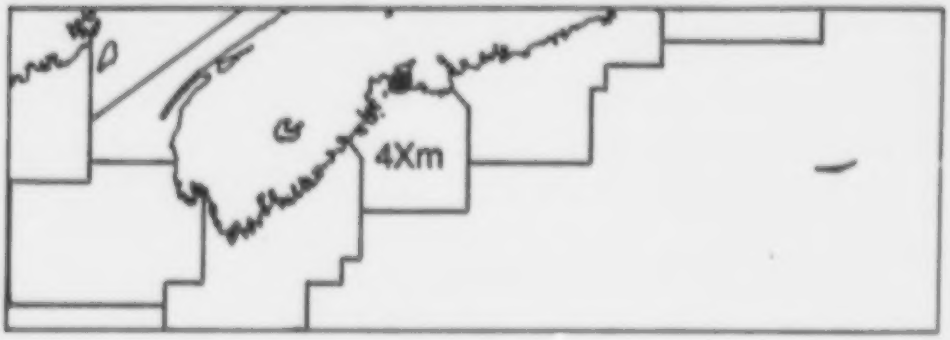
NORTH WEST COVE NS
41.52N 64.00W 1200Z 26/09/89 - 0400Z 14/02/90
INST. 63258

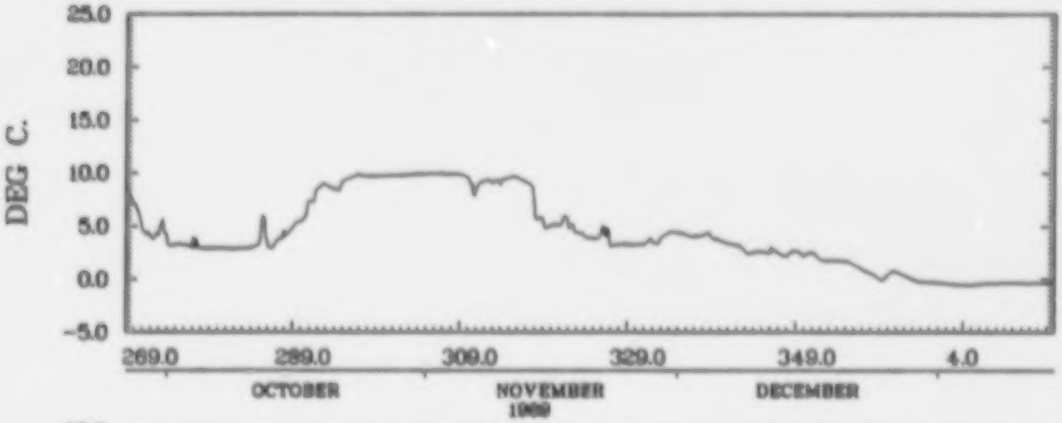
NORTH WEST COVE NS STA. 4XM 420

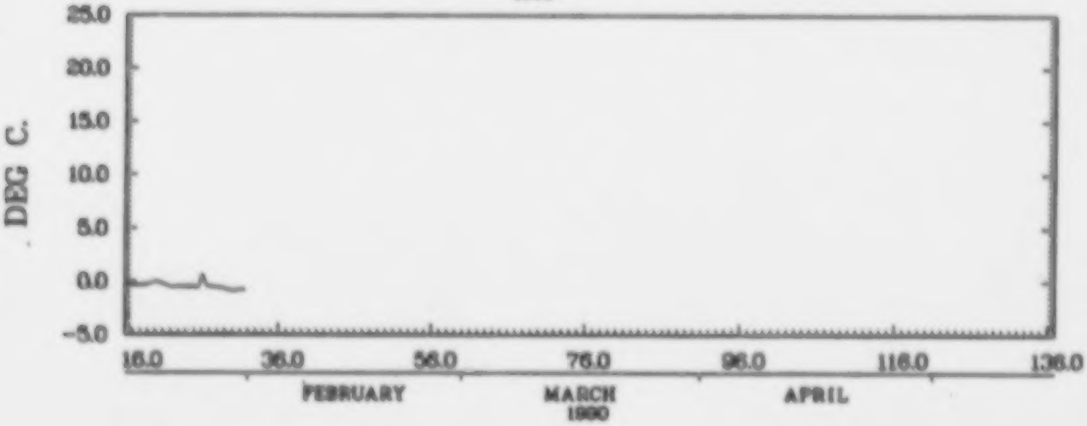
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
18.3M.	18.0M.	41.52	64.00	26/ 9/ 89	31/ 1/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
269	7.5	7.5	3.5	334	4.4	414.3	165.9				
270	6.2	13.7	5.7	335	4.3	418.7	166.2				
271	4.4	18.1	6.1	336	4.1	422.8	166.3				
272	4.1	22.1	6.1	337	4.1	426.8	166.4				
273	4.8	26.9	6.9	338	4.3	431.1	166.6				
274	3.2	30.2	6.9	339	3.8	434.9	166.6				
275	3.3	33.4	6.9	340	3.5	438.4	166.6				
276	3.2	36.6	6.9	341	3.3	441.7	166.6				
277	3.3	39.8	6.9	342	3.0	444.7	166.6				
278	2.9	42.8	6.9	343	2.5	447.2	166.6				
279	2.9	45.7	6.9	344	2.6	449.8	166.6				
280	2.9	48.6	6.9	345	2.5	452.3	166.6				
281	2.9	51.5	6.9	346	2.7	455.0	166.6				
282	2.9	54.4	6.9	347	2.3	457.3	166.6				
283	2.9	57.3	6.9	348	2.5	459.9	166.6				
284	3.1	60.4	6.9	349	2.5	462.3	166.6				
285	4.7	65.1	7.6	350	2.4	464.8	166.6				
286	3.1	68.2	7.6	351	2.2	467.0	166.6				
287	3.9	72.1	7.6	352	1.8	468.7	166.6				
288	4.4	76.6	8.1	353	1.8	470.5	166.6				
289	5.3	81.9	9.4	354	1.7	472.2	166.6				
290	6.2	88.1	11.6	355	1.6	473.8	166.6				
291	7.7	95.8	15.3	356	1.2	475.0	166.6				
292	8.9	104.7	20.2	357	.8	475.8	166.6				
293	8.7	113.4	24.9	358	.4	476.1	166.6				
294	8.7	122.1	29.6	359	.1	476.2	166.6				
295	9.4	131.5	35.0	360	.7	476.9	166.6				
296	9.8	141.3	40.8	361	.5	477.4	166.6				
297	9.8	151.0	46.6	362	.2	477.6	166.6				
298	9.7	160.8	52.3	363	-.1	477.6	166.6				
299	9.8	170.5	58.0	364	-.3	477.6	166.6				
300	9.8	180.3	63.8	365	-.3	477.6	166.6				
301	9.8	190.1	69.6	1	-.4	477.6	166.6				
302	9.8	199.9	75.4	2	-.4	477.6	166.6				
303	9.9	209.8	81.3	3	-.5	477.6	166.6				
304	9.9	219.7	87.2	4	-.5	477.6	166.6				
305	9.9	229.7	93.2	5	-.5	477.6	166.6				
306	9.9	239.6	99.1	6	-.4	477.6	166.6				
307	9.9	249.5	105.0	7	-.4	477.6	166.6				
308	9.9	259.4	110.9	8	-.4	477.6	166.6				
309	9.8	269.2	116.7	9	-.4	477.6	166.6				
310	8.7	277.9	121.4	10	-.4	477.6	166.6				
311	9.1	287.0	126.5	11	-.4	477.6	166.6				
312	9.3	296.3	131.8	12	-.4	477.6	166.6				
313	9.2	305.4	137.0	13	-.3	477.6	166.6				
314	9.5	314.9	142.4	14	-.3	477.6	166.6				
315	9.7	324.6	148.1	15	-.3	477.6	166.6				
316	9.4	333.9	153.5	16	-.4	477.6	166.6				
317	8.7	342.6	158.2	17	-.4	477.6	166.6				
318	5.8	348.4	159.9	18	-.3	477.6	166.6				
319	5.0	353.4	160.9	19	-.1	477.6	166.6				
320	5.1	358.5	162.0	20	-.1	477.6	166.6				
321	5.7	364.2	163.7	21	-.4	477.6	166.6				
322	4.8	369.0	164.5	22	-.5	477.6	166.6				
323	4.3	373.3	164.8	23	-.5	477.6	166.6				
324	3.9	377.2	164.8	24	-.5	477.6	166.6				
325	3.9	381.1	164.8	25	-.3	477.6	166.6				
326	4.4	385.5	165.2	26	-.1	477.6	166.6				
327	3.2	388.7	165.2	27	-.5	477.6	166.6				
328	3.3	392.0	165.2	28	-.6	477.6	166.6				
329	3.3	395.3	165.2	29	-.8	477.6	166.6				
330	3.3	398.6	165.2	30	-.8	477.6	166.6				
331	3.6	402.2	165.2	31	-.7	477.6	166.6				
332	3.5	405.7	165.2								
333	4.2	409.9	165.4								

STN 420 DEPTH 18M







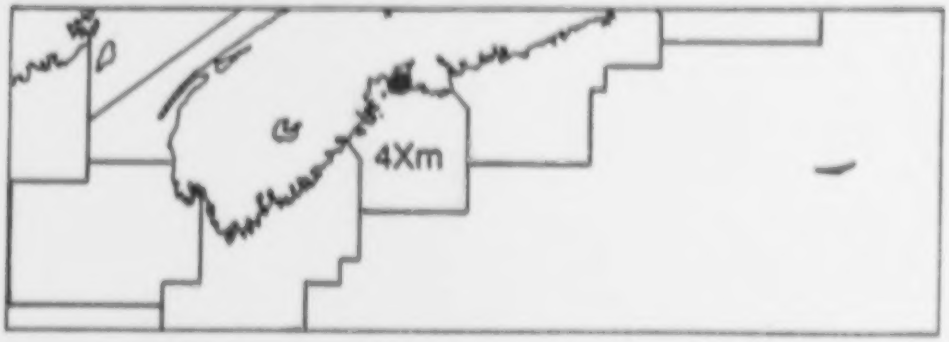
NORTH WEST COVE NS
41.52N 64.00W 1400Z 26/09/89 - 1400Z 31/01/90
INST. 63374

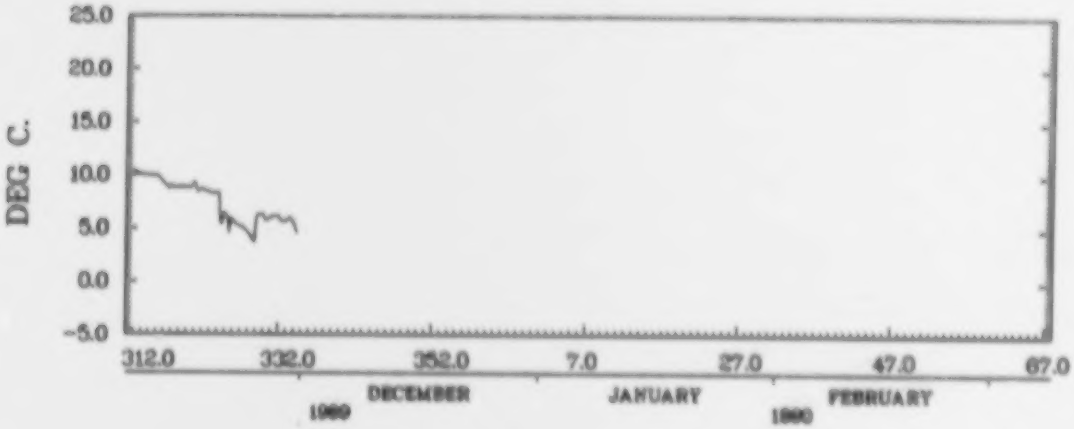
ST MARGARETS BAY NS (OUTER) STA. 4XM 411

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
12.5M.	3.0M.	44.53	63.95	8/11/ 89	30/11/ 89

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
312	10.4	10.4	6.4								
313	10.3	20.7	12.7								
314	10.0	30.7	18.7								
315	10.0	40.7	24.7								
316	9.7	50.4	30.4								
317	9.0	59.4	35.4								
318	8.9	68.3	40.3								
319	8.9	77.2	45.2								
320	8.9	86.1	50.1								
321	8.7	94.8	54.8								
322	8.6	103.3	59.3								
323	8.3	111.7	63.7								
324	6.6	118.3	66.3								
325	5.7	124.0	68.0								
326	5.5	129.5	69.5								
327	5.0	134.5	70.5								
328	4.2	138.7	70.7								
329	6.1	144.8	72.8								
330	5.9	150.7	74.7								
331	6.1	156.9	76.9								
332	5.8	162.7	78.7								
333	5.8	168.5	80.5								
334	5.0	173.5	81.5								

STN 411 DEPTH 3M





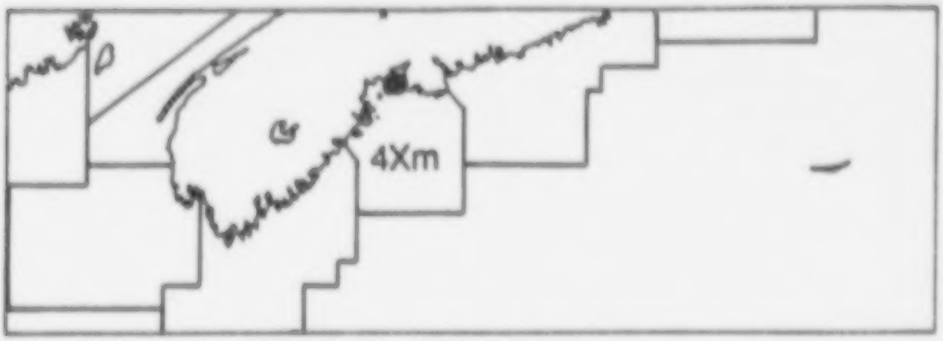
ST MARGARETS BAY NS (OUTER)
43.53N 63.95W 2000Z 08/11/89 - 1200Z 30/11/89
INST. 62542

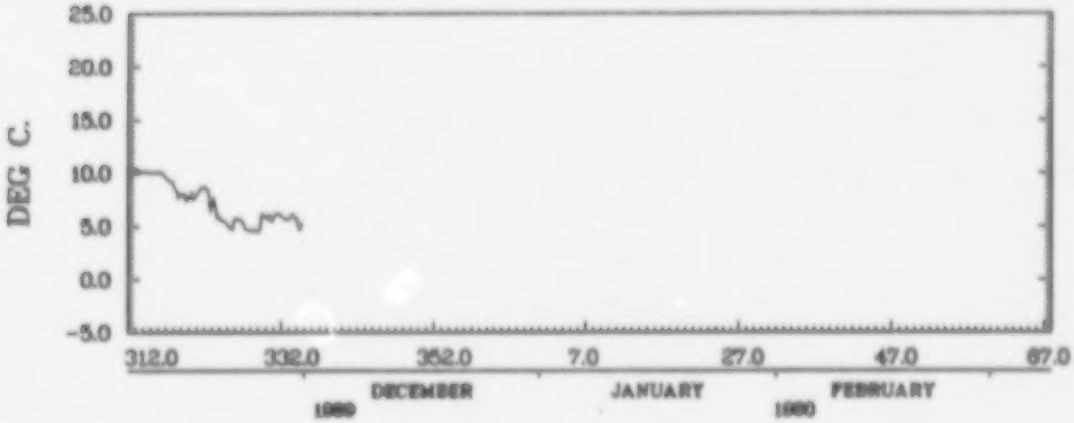
ST MARGARETS BAY NS (OUTER) STA. 4XM 412

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
12.5M.	12.0M.	44.53	63.95	8/11/ 89	30/11/ 89

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
312	10.4	10.4	6.4								
313	10.3	20.7	12.7								
314	10.1	30.8	18.8								
315	10.1	40.8	24.8								
316	10.0	50.8	30.8								
317	9.3	60.1	36.1								
318	8.2	68.2	40.2								
319	7.8	76.0	44.0								
320	7.8	83.8	47.8								
321	8.4	92.2	52.2								
322	7.8	100.0	56.0								
323	6.7	106.8	58.8								
324	5.5	112.3	60.3								
325	5.0	117.3	61.3								
326	5.6	122.9	62.9								
327	4.9	127.8	63.8								
328	4.6	132.3	64.3								
329	5.4	137.8	65.8								
330	5.7	143.5	67.5								
331	6.1	149.6	69.6								
332	5.8	155.4	71.4								
333	5.9	161.3	73.3								
334	5.1	166.4	74.4								

STN 412 DEPTH 12M





ST MARGARETS BAY NS (OUTER)
44.53N 63.95W 2000Z 08/11/89 - 1600Z 30/11/89
INST. 62911

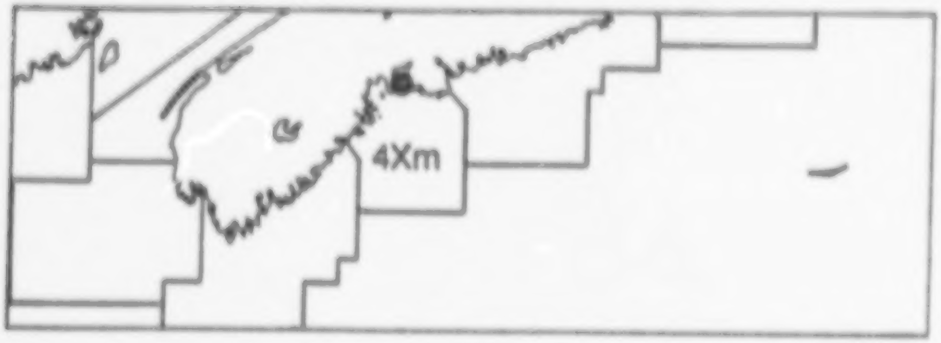
ST MARGARETS BAY NS (OUTER)

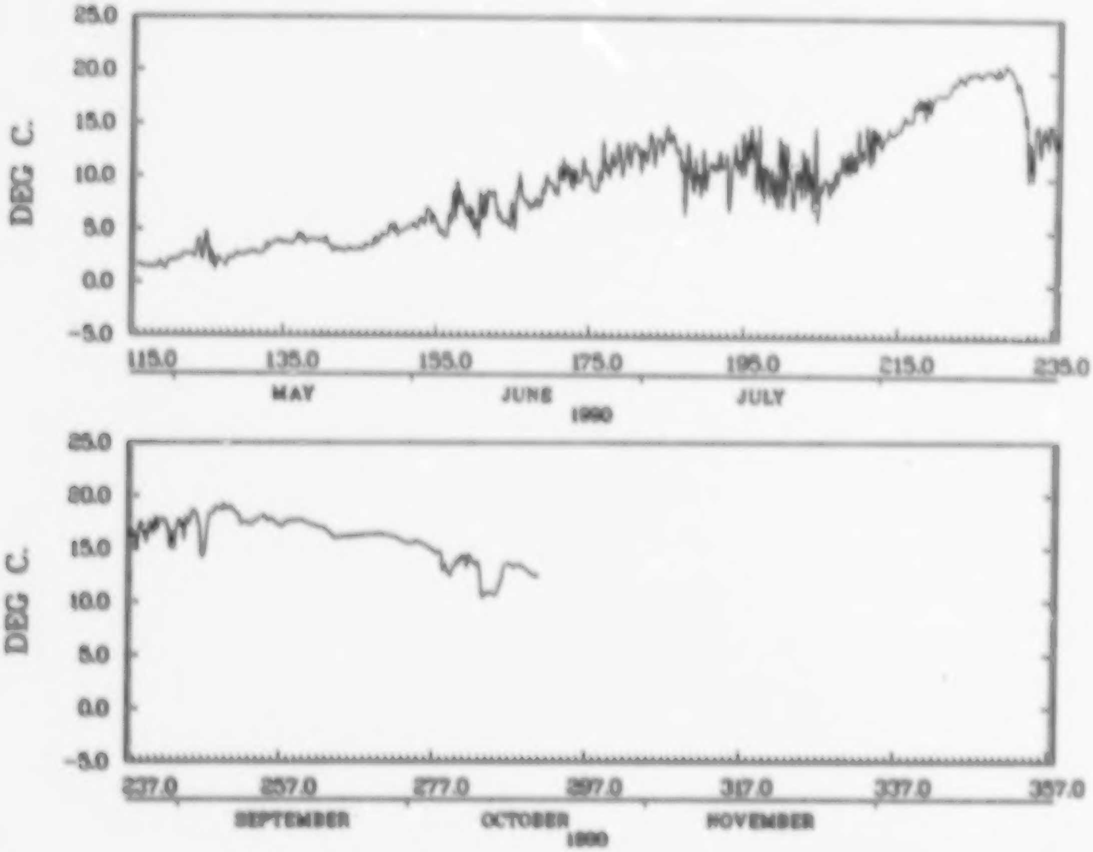
STA. 4KM 434

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
12.5M.	3.0M.	44.53	63.95	25/ 4/ 90	17/10/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
115	1.7	1.7	.0
116	1.6	3.3	.0
117	1.4	4.7	.0
118	1.5	6.3	.0
119	1.5	7.8	.0
120	2.1	9.9	.0
121	2.3	12.2	.0
122	2.7	14.8	.0
123	2.8	17.6	.0
124	3.2	20.8	.0
125	3.2	24.0	.0
126	2.0	26.0	.0
127	1.9	27.9	.0
128	2.4	30.2	.0
129	2.7	32.9	.0
130	2.8	35.7	.0
131	2.9	38.5	.0
132	3.1	41.6	.0
133	3.6	45.2	.0
134	3.9	49.0	.0
135	3.8	52.8	.0
136	4.0	56.8	.0
137	4.2	61.0	.2
138	4.0	65.0	.2
139	4.0	69.0	.2
140	3.9	72.9	.2
141	3.3	76.2	.2
142	3.1	79.3	.2
143	3.2	82.4	.2
144	3.2	85.6	.2
145	3.3	88.9	.2
146	3.6	92.5	.2
147	4.2	96.7	.4
148	4.7	101.3	1.1
149	5.1	106.4	2.1
150	4.9	111.3	3.0
151	5.3	116.6	4.3
152	5.6	122.2	5.9
153	6.2	128.4	8.1
154	6.2	134.6	10.3
155	5.0	139.6	11.3
156	5.1	144.7	12.4
157	7.7	152.4	16.1
158	7.3	159.7	19.5
159	6.3	166.0	21.7
160	6.1	172.1	23.8
161	7.5	179.6	27.3
162	8.1	187.7	31.4
163	6.1	193.7	33.4
164	6.1	199.8	35.6
165	7.8	207.6	39.3
166	8.1	215.7	43.4
167	7.3	223.0	46.7
168	7.8	230.9	50.6
169	9.3	240.1	55.9
170	8.9	249.0	60.7
171	10.5	259.5	67.2
172	10.1	269.6	73.3
173	10.0	279.5	79.2
174	10.6	290.1	85.8
175	9.1	299.3	91.0
176	10.8	310.0	97.7
177	11.2	321.2	104.9
178	11.9	333.1	112.8
179	11.6	344.7	120.4
180	12.3	356.9	128.6
181	12.3	369.2	136.9
182	12.6	381.8	145.5
183	12.8	394.6	154.3
184	13.3	407.9	163.6
185	13.9	421.8	173.5
186	12.4	434.2	181.9
187	10.7	444.9	188.6
188	10.0	454.9	194.6
189	10.4	465.2	201.0
190	10.6	475.9	207.6
191	11.3	487.2	214.9
192	11.2	498.4	222.1
193	10.8	509.2	228.9
194	12.1	521.2	236.9
195	12.7	533.9	245.6
196	12.1	546.0	253.7
197	9.9	555.9	259.6
198	9.3	565.2	264.9
199	9.8	575.0	270.7
200	10.7	585.6	277.4
201	8.7	594.4	282.1
202	10.4	604.8	288.5
203	9.8	614.6	294.3
204	9.8	624.4	300.1
205	9.5	633.9	305.6
206	9.5	643.4	311.1
207	10.8	654.2	317.9
208	11.4	665.6	325.3
209	12.2	677.7	333.5
210	12.6	690.4	342.1
211	13.3	703.6	351.4
212	13.5	717.1	360.8
213	14.1	731.2	370.9
214	14.4	745.7	381.4
215	15.3	761.0	392.7
216	15.7	776.6	404.3
217	16.9	793.5	417.2
218	16.8	810.3	430.0
219	17.5	827.8	443.5
220	17.9	845.7	457.4
221	18.3	864.0	471.7
222	19.2	883.2	486.9
223	19.5	902.7	502.4
224	19.9	922.6	518.3
225	19.8	942.4	534.1
226	20.1	962.5	550.2
227	20.0	982.4	566.1
228	20.2	1002.6	582.3
229	20.2	1022.8	598.5
230	18.6	1041.4	613.1
231	14.6	1056.0	623.7
232	12.9	1068.9	632.6
233	13.8	1082.7	642.4
234	14.3	1097.0	652.7
235	13.5	1110.5	662.2
236	14.0	1124.5	672.2
237	16.6	1141.1	684.8
238	16.4	1157.5	697.2
239	16.5	1173.9	709.7
240	17.2	1191.2	722.9
241	17.5	1208.7	736.4
242	16.7	1225.4	749.1
243	16.7	1242.1	761.8
244	17.1	1259.2	774.9
245	18.1	1277.3	789.0
246	16.9	1294.2	801.9
247	16.3	1310.6	814.3
248	18.6	1329.1	828.8
249	18.9	1348.0	843.7
250	18.8	1366.8	858.6
251	18.2	1385.1	872.8
252	17.5	1402.5	886.2
253	17.5	1420.0	899.7
254	18.0	1437.9	913.6
255	17.8	1455.7	927.5
256	17.5	1473.3	941.0
257	17.3	1490.6	954.3
258	17.6	1508.2	967.9
259	17.7	1525.9	981.6
260	17.5	1543.4	995.1
261	17.2	1560.6	1008.3
262	17.0	1577.6	1021.3
263	16.5	1594.1	1033.8
264	16.1	1610.2	1045.9
265	16.2	1626.4	1058.1
266	16.2	1642.6	1070.3
267	16.3	1658.8	1082.5
268	16.3	1675.2	1094.9
269	16.4	1691.5	1107.3
270	16.4	1707.9	1119.6
271	16.2	1724.1	1131.8
272	16.0	1740.1	1143.8
273	15.6	1755.7	1155.4
274	15.6	1771.3	1167.0
275	15.5	1786.9	1178.6
276	15.2	1802.0	1189.7
277	14.7	1816.7	1200.5
278	13.5	1830.2	1210.0
279	13.0	1843.2	1218.9
280	14.0	1857.2	1229.0
281	14.1	1871.3	1239.0
282	13.7	1885.0	1248.7
283	11.3	1896.3	1256.0
284	10.9	1907.2	1262.9
285	11.2	1918.4	1270.1
286	13.3	1931.7	1279.4
287	13.5	1945.2	1288.9
288	13.5	1958.6	1298.3
289	13.0	1971.6	1307.3
290	12.5	1984.1	1315.8

STN 434 DEPTH 3M





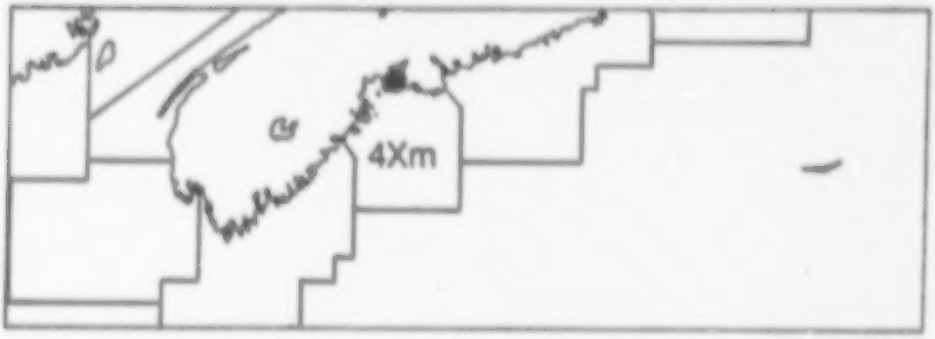
ST MARGARETS BAY NS (OUTER)
43.53N 63.95W 2000Z 25/04/90 - 2000Z 17/10/90
INST. 62482

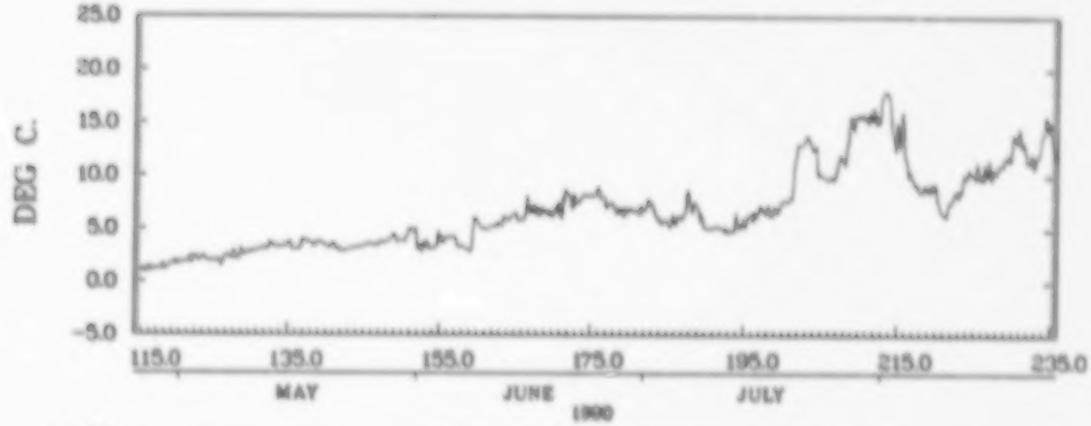
ST MARGARETS BAY NS (OUTER) STA. 40M 435

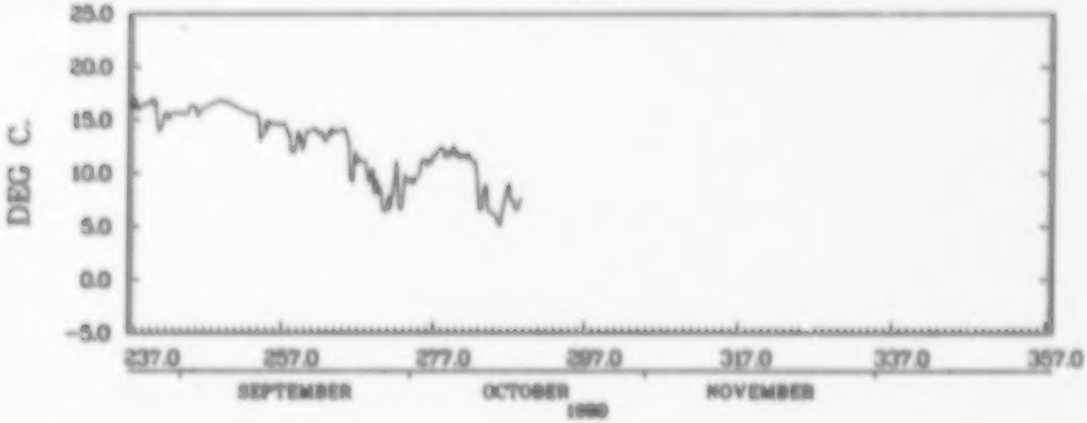
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
12.5M.	12.0M.	44.53	63.95	25/ 4/ 90	15/10/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
115	1.0	1.0	.0	180	6.8	275.8	59.4	245	16.3	967.3	490.9
116	1.1	2.1	.0	181	6.7	282.6	62.1	246	15.9	983.2	502.7
117	1.2	3.3	.0	182	7.2	289.7	65.3	247	16.4	999.6	515.1
118	1.3	4.6	.0	183	6.6	296.4	67.9	248	16.7	1016.3	527.8
119	1.4	6.0	.0	184	5.7	302.1	69.6	249	16.7	1033.0	540.5
120	1.8	7.8	.0	185	5.7	307.7	71.3	250	16.5	1049.5	553.0
121	1.8	9.6	.0	186	6.0	313.7	73.2	251	16.1	1065.6	565.1
122	2.1	11.7	.0	187	7.1	320.8	76.3	252	15.7	1081.4	576.9
123	2.2	13.8	.0	188	7.2	328.0	79.5	253	15.6	1097.0	588.5
124	2.2	16.0	.0	189	6.1	334.1	81.6	254	14.0	1110.9	598.5
125	2.0	18.0	.0	190	5.1	339.2	82.7	255	14.7	1125.6	609.1
126	2.0	20.0	.0	191	5.2	344.4	83.9	256	14.6	1140.2	619.7
127	2.3	22.3	.0	192	5.0	349.4	84.9	257	14.3	1154.6	630.1
128	2.5	24.8	.0	193	4.8	354.2	85.7	258	12.5	1167.1	638.6
129	2.8	27.6	.0	194	5.5	359.7	87.2	259	13.2	1180.3	647.8
130	2.8	30.4	.0	195	5.9	365.6	89.1	260	13.8	1194.1	657.6
131	3.0	33.4	.0	196	6.3	371.9	91.4	261	14.0	1208.1	667.6
132	3.3	36.8	.0	197	6.8	378.7	94.2	262	13.4	1221.5	677.1
133	3.3	40.1	.0	198	6.6	385.4	96.9	263	13.9	1235.4	687.0
134	3.3	43.4	.0	199	7.0	392.3	99.9	264	14.0	1249.5	697.0
135	3.4	46.8	.0	200	7.6	399.9	103.5	265	13.7	1263.1	706.6
136	3.3	50.1	.0	201	9.3	409.3	108.8	266	10.5	1273.6	713.1
137	3.8	53.9	.0	202	13.0	422.3	117.8	267	11.2	1284.8	720.3
138	3.5	57.4	.0	203	13.4	435.7	127.2	268	10.0	1294.8	726.3
139	3.7	61.1	.0	204	11.7	447.4	134.9	269	8.9	1303.7	731.2
140	3.4	64.4	.0	205	9.9	457.4	140.9	270	7.1	1310.8	734.3
141	3.2	67.7	.0	206	9.8	467.2	146.7	271	8.1	1318.9	738.4
142	2.9	70.6	.0	207	11.2	478.4	153.9	272	8.1	1327.0	742.5
143	3.1	73.7	.0	208	12.7	491.1	162.7	273	9.3	1336.3	747.8
144	3.3	77.0	.0	209	15.3	506.5	174.0	274	9.5	1345.8	753.3
145	3.5	80.5	.0	210	15.7	522.1	185.6	275	10.9	1356.7	760.2
146	3.5	83.9	.0	211	15.5	537.6	197.1	276	11.1	1367.8	767.4
147	3.7	87.6	.0	212	15.5	553.1	208.6	277	12.0	1379.8	775.3
148	4.0	91.6	.0	213	17.7	570.8	222.3	278	12.0	1391.9	783.4
149	4.0	95.6	.0	214	14.7	585.5	233.0	279	12.0	1403.9	791.4
150	4.1	99.8	.1	215	14.5	600.0	243.5	280	11.7	1415.6	799.1
151	4.9	104.7	1.1	216	10.9	610.9	250.4	281	11.6	1427.1	806.7
152	3.2	107.9	1.1	217	9.3	620.1	255.7	282	10.7	1437.8	813.4
153	3.4	111.3	1.1	218	8.7	628.9	260.4	283	7.4	1445.3	816.8
154	3.5	114.8	1.1	219	8.8	637.7	265.2	284	6.7	1452.0	819.5
155	4.0	118.8	1.1	220	7.7	645.4	268.9	285	5.7	1457.7	821.2
156	4.2	123.0	1.3	221	6.7	652.1	271.6	286	7.5	1465.2	824.7
157	3.6	126.6	1.3	222	8.0	660.1	275.6	287	7.6	1472.8	828.3
158	3.2	129.7	1.3	223	9.0	669.1	280.6	288	7.1	1479.9	831.4
159	4.5	134.2	1.7	224	10.2	679.2	286.7				
160	5.3	139.5	3.0	225	10.2	689.4	293.0				
161	5.0	144.5	4.0	226	10.2	699.6	299.1				
162	5.3	149.8	5.3	227	10.4	710.0	305.6				
163	5.8	155.6	7.1	228	10.8	720.8	312.4				
164	6.1	161.7	9.2	229	11.7	732.5	320.1				
165	6.1	167.7	11.3	230	13.5	746.1	329.6				
166	6.6	174.3	13.8	231	13.1	759.1	338.7				
167	6.8	181.1	16.6	232	11.5	770.6	346.1				
168	6.6	187.7	19.2	233	12.0	782.7	354.2				
169	6.5	194.2	21.7	234	14.7	797.4	364.9				
170	6.8	201.0	24.5	235	13.1	810.5	374.0				
171	7.5	208.4	27.9	236	13.6	824.1	383.6				
172	7.8	216.2	31.7	237	16.5	840.6	396.1				
173	7.6	223.8	35.4	238	16.2	856.9	408.4				
174	8.1	232.0	39.5	239	16.5	873.4	420.9				
175	8.2	240.2	43.7	240	16.1	889.6	433.1				
176	8.2	248.4	47.9	241	14.8	904.3	443.8				
177	7.3	255.6	51.2	242	15.5	919.8	455.3				
178	6.8	262.5	54.0	243	15.7	935.4	467.0				
179	6.6	269.1	56.6	244	15.6	951.1	478.6				

STN 435 DEPTH 12M







ST MARGARETS BAY NS (OUTER)
44.53N 63.95W 2000Z 25/04/90 - 1600Z 15/10/90
INST. 61612

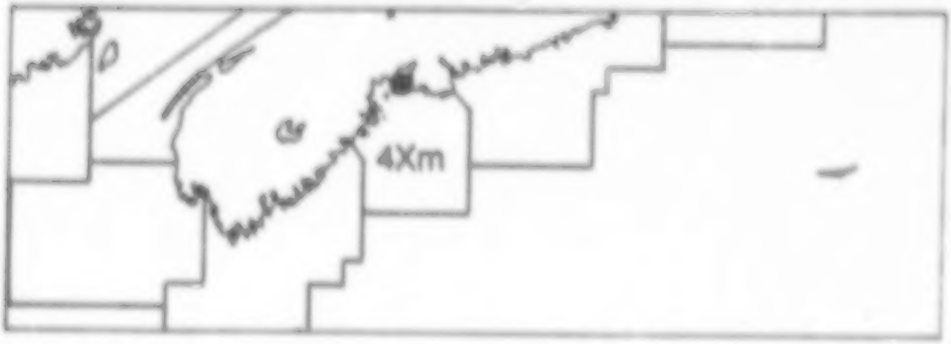
ST MARGARETS BAY NS (INNER)

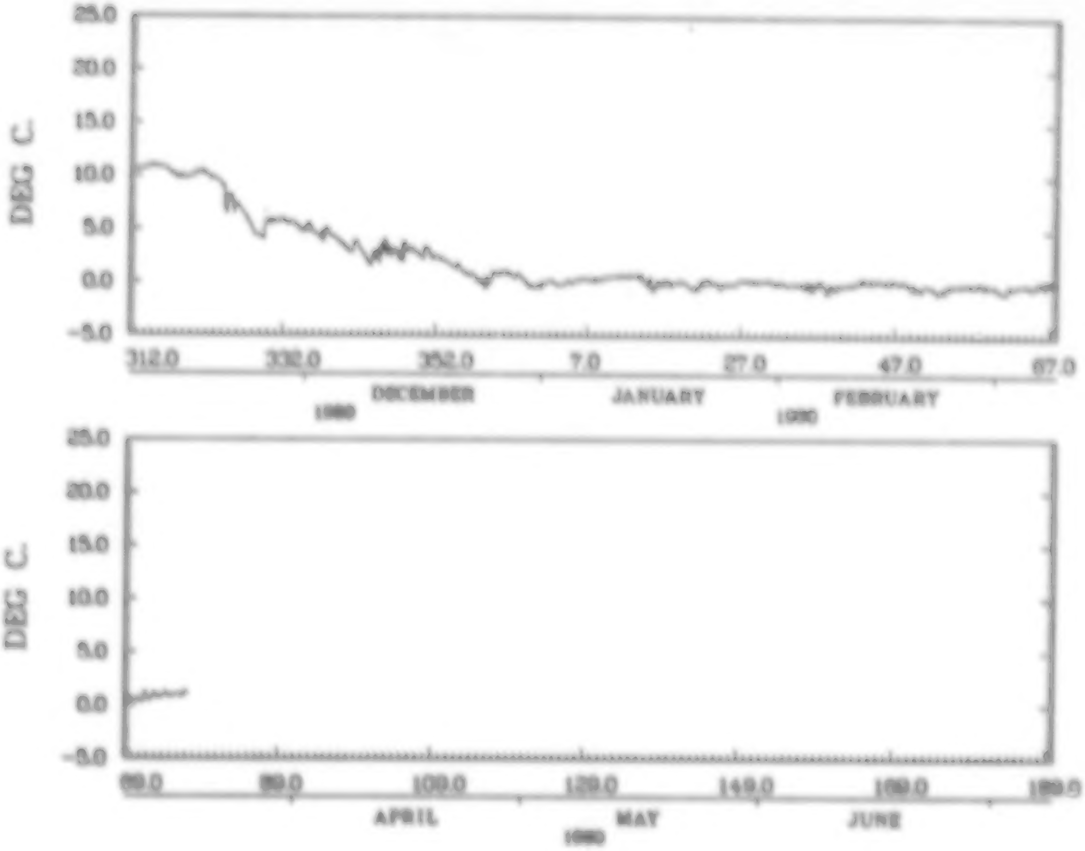
STA. 41M 450

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
11.0M.	2.0M.	44.60	63.94	8/11/ 89	18/ 3/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
312	10.6	10.6	6.6	12	.7	261.2	99.4	77	1.2	272.6	99.4
313	10.6	21.2	13.2	13	.7	261.9	99.4				
314	10.9	32.1	20.1	14	.2	262.1	99.4				
315	10.9	43.0	27.0	15	-.2	262.1	99.4				
316	10.7	53.7	33.7	16	.0	262.1	99.4				
317	10.2	63.9	39.9	17	.1	262.2	99.4				
318	9.9	73.8	45.8	18	.1	262.3	99.4				
319	9.9	83.7	51.7	19	.1	262.4	99.4				
320	10.1	93.8	57.8	20	-.4	262.4	99.4				
321	10.4	104.2	64.2	21	-.2	262.4	99.4				
322	9.9	114.1	70.1	22	.2	262.6	99.4				
323	9.6	123.6	75.6	23	.0	262.6	99.4				
324	8.1	131.7	79.7	24	-.2	262.6	99.4				
325	7.5	139.2	83.2	25	-.1	262.6	99.4				
326	6.9	146.1	86.1	26	.1	262.7	99.4				
327	5.7	151.8	87.8	27	.3	263.0	99.4				
328	4.5	156.3	88.3	28	.2	263.2	99.4				
329	4.8	161.1	89.1	29	.2	263.4	99.4				
330	5.8	166.9	90.9	30	.3	263.7	99.4				
331	5.8	172.7	92.7	31	.0	263.7	99.4				
332	5.7	178.4	94.4	32	.0	263.7	99.4				
333	5.5	183.9	95.9	33	-.1	263.7	99.4				
334	4.9	188.8	96.8	34	.0	263.7	99.4				
335	5.1	193.9	97.9	35	-.1	263.7	99.4				
336	4.5	198.4	98.4	36	-.3	263.7	99.4				
337	4.6	203.1	99.1	37	.0	263.7	99.4				
338	4.4	207.4	99.4	38	-.5	263.7	99.4				
339	3.8	211.2	99.4	39	-.3	263.7	99.4				
340	3.1	214.4	99.4	40	-.2	263.7	99.4				
341	3.5	217.9	99.4	41	-.1	263.7	99.4				
342	2.8	220.7	99.4	42	.3	264.0	99.4				
343	2.1	222.8	99.4	43	.2	264.2	99.4				
344	2.6	225.4	99.4	44	.2	264.4	99.4				
345	3.4	228.7	99.4	45	.2	264.6	99.4				
346	2.9	231.7	99.4	46	.2	264.7	99.4				
347	2.6	234.3	99.4	47	.1	264.9	99.4				
348	3.2	237.5	99.4	48	.0	264.9	99.4				
349	2.8	240.3	99.4	49	-.4	264.9	99.4				
350	2.8	243.1	99.4	50	-.4	264.9	99.4				
351	2.6	245.6	99.4	51	-.3	264.9	99.4				
352	2.3	247.9	99.4	52	-.7	264.9	99.4				
353	1.9	249.8	99.4	53	-.5	264.9	99.4				
354	1.6	251.4	99.4	54	-.2	264.9	99.4				
355	1.1	252.5	99.4	55	-.2	264.9	99.4				
356	.8	253.3	99.4	56	-.1	264.9	99.4				
357	.3	253.6	99.4	57	-.1	264.9	99.4				
358	-.1	253.6	99.4	58	-.2	264.9	99.4				
359	.7	254.3	99.4	59	-.3	264.9	99.4				
360	.9	255.2	99.4	60	-.6	264.9	99.4				
361	1.0	256.2	99.4	61	-.6	264.9	99.4				
362	.7	256.9	99.4	62	-.3	264.9	99.4				
363	.4	257.2	99.4	63	-.2	264.9	99.4				
364	-.3	257.2	99.4	64	-.2	264.9	99.4				
365	-.3	257.2	99.4	65	.0	264.9	99.4				
1	.1	257.3	99.4	66	.0	264.9	99.4				
2	.1	257.4	99.4	67	.1	265.0	99.4				
3	-.2	257.4	99.4	68	.3	265.3	99.4				
4	.1	257.5	99.4	69	.5	265.8	99.4				
5	.2	257.7	99.4	70	.5	266.3	99.4				
6	.4	258.1	99.4	71	.6	267.0	99.4				
7	.3	258.4	99.4	72	.7	267.7	99.4				
8	.3	258.7	99.4	73	.9	268.6	99.4				
9	.5	259.3	99.4	74	1.0	269.5	99.4				
10	.6	259.9	99.4	75	1.0	270.5	99.4				
11	.7	260.5	99.4	76	1.0	271.5	99.4				

STN 459 DEPTH 2M





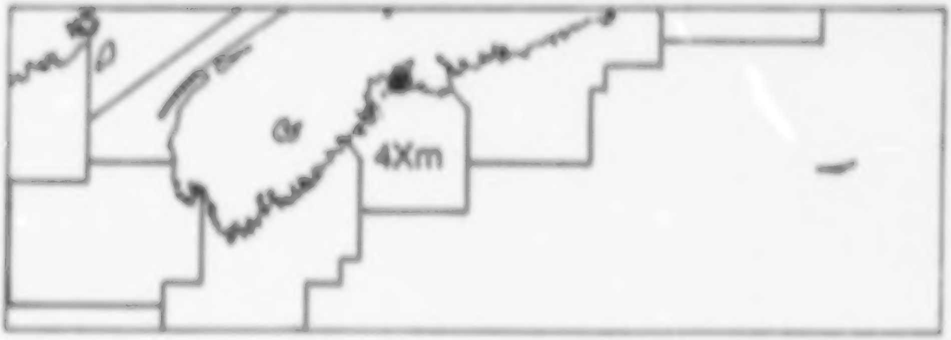
ST MARGARETS BAY NS (INNER)
44.60N 63.94W 1700Z 08/11/89 - 1100Z 18/03/90
INST. 4399

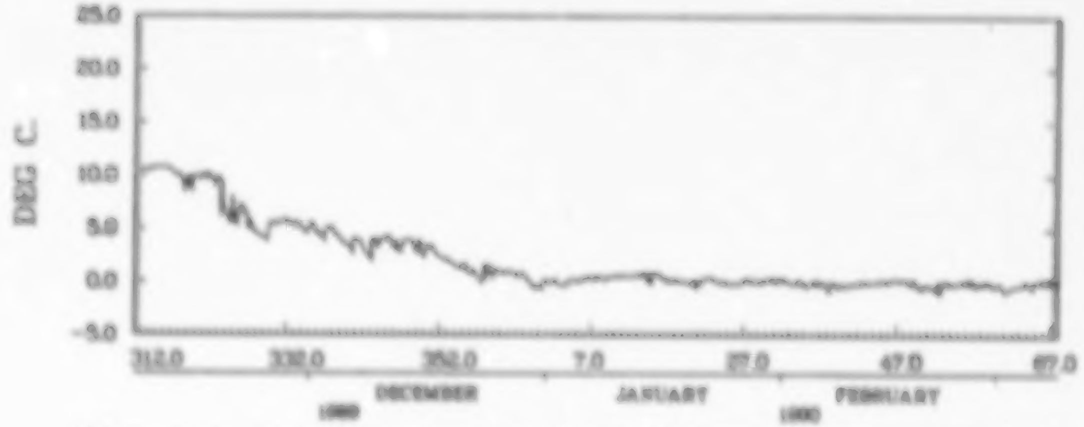
ST MARGARETS BAY NS (INNER) STA. 4NM 409

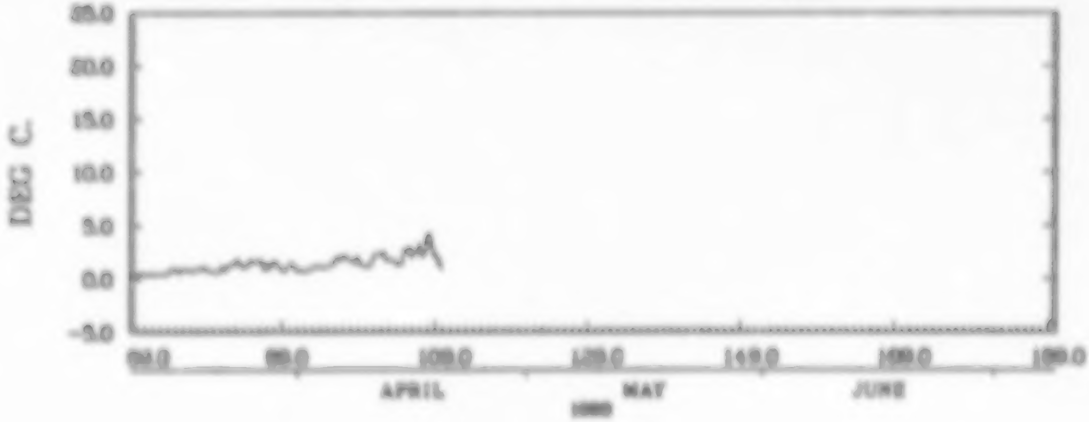
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
11.0M.	9.0M.	44.60	63.94	8/11/ 89	20/ 4/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
312	10.5	10.5	6.5	12	.6	260.9	91.0	77	.8	271.3	91.0
313	10.5	21.0	13.0	13	.7	261.6	91.0	78	1.0	272.3	91.0
314	10.6	31.6	19.6	14	.4	262.0	91.0	79	.8	273.1	91.0
315	10.8	42.4	26.4	15	.6	262.7	91.0	80	.7	273.8	91.0
316	10.6	53.0	33.0	16	.4	263.1	91.0	81	1.0	274.7	91.0
317	10.1	63.1	39.1	17	.2	263.3	91.0	82	1.3	276.1	91.0
318	9.4	72.5	44.5	18	.1	263.4	91.0	83	1.4	277.5	91.0
319	9.6	82.1	50.1	19	.0	263.4	91.0	84	1.4	278.9	91.0
320	8.9	91.0	55.0	20	.0	263.4	91.0	85	1.6	280.4	91.0
321	10.8	101.8	61.8	21	.1	263.6	91.0	86	1.3	281.8	91.0
322	9.6	111.4	67.4	22	.4	264.0	91.0	87	1.2	283.0	91.0
323	8.3	119.7	71.7	23	.1	264.1	91.0	88	1.2	284.2	91.0
324	6.5	126.2	74.2	24	.0	264.1	91.0	89	.9	285.1	91.0
325	6.2	132.4	76.4	25	-.1	264.1	91.0	90	1.2	286.3	91.0
326	6.6	139.0	79.0	26	.0	264.1	91.0	91	.8	287.1	91.0
327	5.1	144.0	80.0	27	.2	264.3	91.0	92	.9	288.0	91.0
328	4.4	148.4	80.4	28	.0	264.3	91.0	93	1.1	289.1	91.0
329	4.5	152.9	80.9	29	.1	264.5	91.0	94	1.1	290.2	91.0
330	5.5	158.4	82.4	30	.3	264.7	91.0	95	1.4	291.6	91.0
331	5.7	164.1	84.1	31	.2	264.9	91.0	96	1.9	293.5	91.0
332	5.5	169.6	85.6	32	.1	265.0	91.0	97	2.0	295.4	91.0
333	5.4	175.0	87.0	33	-.1	265.0	91.0	98	1.7	297.1	91.0
334	4.8	179.8	87.8	34	.0	265.0	91.0	99	1.3	298.5	91.0
335	5.2	185.0	89.0	35	-.2	265.0	91.0	100	1.4	299.9	91.0
336	4.4	189.4	89.4	36	.0	265.0	91.0	101	2.3	302.1	91.0
337	5.1	194.4	90.4	37	-.1	265.0	91.0	102	2.1	304.2	91.0
338	4.5	199.0	91.0	38	-.3	265.0	91.0	103	1.8	306.0	91.0
339	3.7	202.7	91.0	39	-.3	265.0	91.0	104	1.6	307.5	91.0
340	3.4	206.1	91.0	40	-.3	265.0	91.0	105	2.6	310.1	91.0
341	3.8	209.9	91.0	41	-.2	265.0	91.0	106	2.5	312.5	91.0
342	2.7	212.6	91.0	42	.0	265.0	91.0	107	2.7	315.2	91.0
343	3.6	216.2	91.0	43	.0	265.0	91.0	108	3.1	318.3	91.0
344	4.0	220.1	91.0	44	.1	265.1	91.0	109	1.6	319.9	91.0
345	4.0	224.1	91.0	45	.1	265.2	91.0	110	1.0	320.9	91.0
346	3.3	227.4	91.0	46	.2	265.3	91.0				
347	3.7	231.2	91.0	47	.2	265.5	91.0				
348	3.6	234.8	91.0	48	.0	265.5	91.0				
349	3.1	237.9	91.0	49	-.1	265.5	91.0				
350	3.2	241.0	91.0	50	-.4	265.5	91.0				
351	2.8	243.8	91.0	51	-.4	265.5	91.0				
352	2.2	246.1	91.0	52	-.5	265.5	91.0				
353	1.9	248.0	91.0	53	.0	265.5	91.0				
354	1.4	249.4	91.0	54	-.1	265.5	91.0				
355	1.3	250.7	91.0	55	.0	265.6	91.0				
356	.9	251.6	91.0	56	.0	265.6	91.0				
357	.5	252.1	91.0	57	-.2	265.6	91.0				
358	1.1	253.2	91.0	58	.0	265.6	91.0				
359	1.0	254.2	91.0	59	-.3	265.6	91.0				
360	.9	255.1	91.0	60	-.3	265.6	91.0				
361	.9	256.0	91.0	61	-.6	265.6	91.0				
362	.7	256.7	91.0	62	-.4	265.6	91.0				
363	.3	257.0	91.0	63	-.1	265.6	91.0				
364	-.4	257.0	91.0	64	-.2	265.6	91.0				
365	-.2	257.0	91.0	65	.1	265.6	91.0				
1	.0	257.1	91.0	66	.1	265.8	91.0				
2	.0	257.1	91.0	67	.1	265.9	91.0				
3	-.2	257.1	91.0	68	.1	266.0	91.0				
4	.2	257.2	91.0	69	.4	266.4	91.0				
5	.2	257.4	91.0	70	.5	266.9	91.0				
6	.4	257.8	91.0	71	.4	267.2	91.0				
7	.4	258.2	91.0	72	.4	267.6	91.0				
8	.4	258.6	91.0	73	.5	268.1	91.0				
9	.5	259.1	91.0	74	.8	268.9	91.0				
10	.6	259.7	91.0	75	.8	269.7	91.0				
11	.6	260.3	91.0	76	.8	270.5	91.0				

STN 460 DEPTH 9M







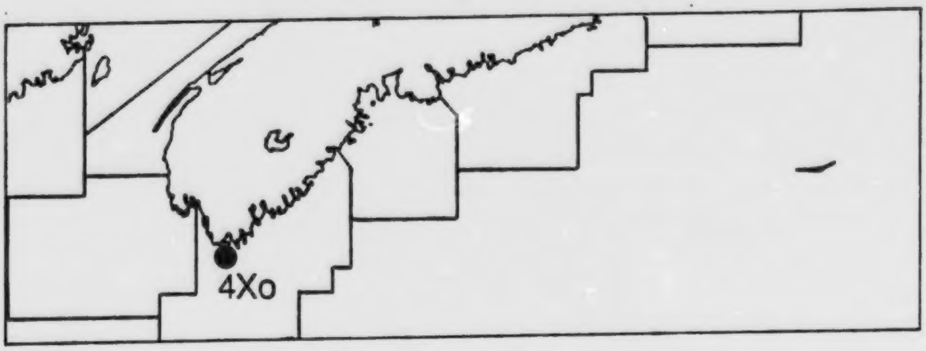
ST MARGARETS BAY NS (INNER)
44.60N 63.94W 1700Z 08/11/89 - 0500Z 20/04/90
INST. 4398

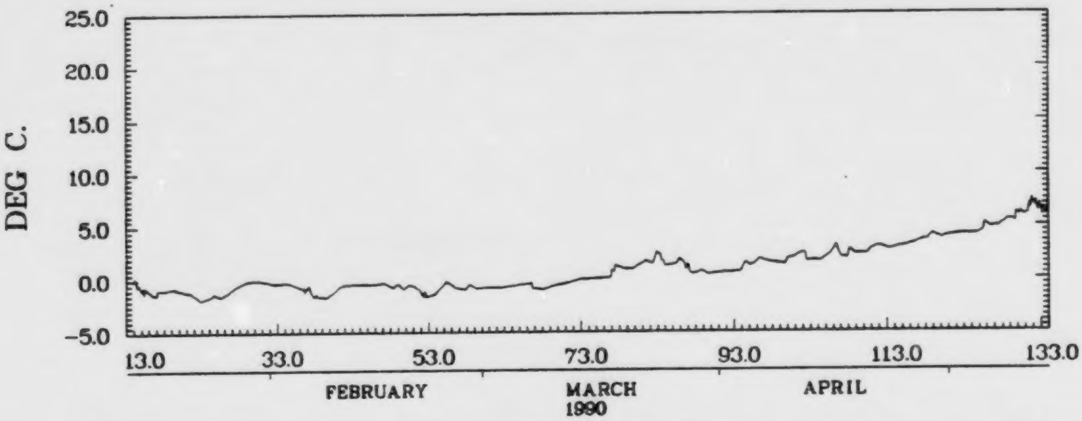
CAPE SABLE IS NS STA. 4XO 415

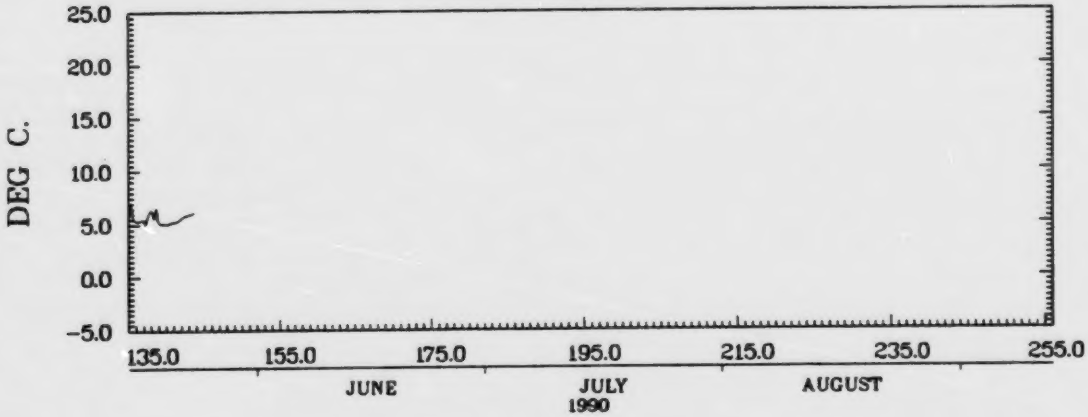
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
40.0M.	40.0M.	43.22	65.55	13/ 1/ 90	23/ 5/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
13	.0	.0	.0	78	1.0	2.2	.0	143	6.0	209.1	33.3
14	-.3	.0	.0	79	1.0	3.1	.0				
15	-.9	.0	.0	80	1.2	4.4	.0				
16	-1.2	.0	.0	81	1.6	6.0	.0				
17	-1.0	.0	.0	82	1.8	7.8	.0				
18	-.9	.0	.0	83	2.0	9.7	.0				
19	-.8	.0	.0	84	1.3	11.0	.0				
20	-1.0	.0	.0	85	1.5	12.5	.0				
21	-1.2	.0	.0	86	1.4	14.0	.0				
22	-1.7	.0	.0	87	.7	14.6	.0				
23	-1.7	.0	.0	88	.6	15.3	.0				
24	-1.4	.0	.0	89	.5	15.8	.0				
25	-1.5	.0	.0	90	.5	16.2	.0				
26	-1.2	.0	.0	91	.6	16.8	.0				
27	-.7	.0	.0	92	.6	17.4	.0				
28	-.3	.0	.0	93	.6	18.1	.0				
29	-.1	.0	.0	94	1.3	19.3	.0				
30	-.1	.0	.0	95	1.3	20.7	.0				
31	-.2	.0	.0	96	1.8	22.4	.0				
32	-.3	.0	.0	97	1.6	24.0	.0				
33	-.3	.0	.0	98	1.5	25.5	.0				
34	-.3	.0	.0	99	1.4	26.9	.0				
35	-.5	.0	.0	100	1.9	28.8	.0				
36	-.9	.0	.0	101	2.2	31.1	.0				
37	-1.1	.0	.0	102	2.0	33.1	.0				
38	-1.5	.0	.0	103	1.7	34.8	.0				
39	-1.6	.0	.0	104	1.7	36.5	.0				
40	-1.2	.0	.0	105	2.2	38.8	.0				
41	-.6	.0	.0	106	2.8	41.5	.0				
42	-.5	.0	.0	107	2.0	43.5	.0				
43	-.4	.0	.0	108	2.5	46.0	.0				
44	-.4	.0	.0	109	2.3	48.3	.0				
45	-.4	.0	.0	110	2.4	50.7	.0				
46	-.4	.0	.0	111	2.9	53.6	.0				
47	-.4	.0	.0	112	2.9	56.6	.0				
48	-.6	.0	.0	113	2.8	59.3	.0				
49	-.7	.0	.0	114	2.9	62.2	.0				
50	-.6	.0	.0	115	3.1	65.3	.0				
51	-.8	.0	.0	116	3.3	68.6	.0				
52	-1.4	.0	.0	117	3.5	72.1	.0				
53	-1.4	.0	.0	118	3.8	75.9	.0				
54	-.9	.0	.0	119	4.0	79.9	.0				
55	-.3	.0	.0	120	3.9	83.8	.0				
56	-.7	.0	.0	121	4.0	87.8	.0				
57	-.9	.0	.0	122	4.1	91.9	.2				
58	-.6	.0	.0	123	4.2	96.1	.3				
59	-.8	.0	.0	124	4.2	100.3	.5				
60	-.8	.0	.0	125	4.6	104.9	1.1				
61	-.8	.0	.0	126	4.9	109.8	2.0				
62	-.8	.0	.0	127	4.9	114.8	3.0				
63	-.7	.0	.0	128	5.3	120.1	4.3				
64	-.6	.0	.0	129	5.6	125.7	5.9				
65	-.5	.0	.0	130	6.1	131.7	7.9				
66	-.6	.0	.0	131	6.5	138.2	10.5				
67	-.9	.0	.0	132	6.8	145.0	13.3				
68	-.9	.0	.0	133	6.3	151.4	15.6				
69	-.6	.0	.0	134	7.0	158.4	18.6				
70	-.5	.0	.0	135	6.3	164.7	20.9				
71	-.3	.0	.0	136	5.4	170.1	22.3				
72	-.1	.0	.0	137	5.6	175.7	23.9				
73	.0	.0	.0	138	6.0	181.7	25.9				
74	.0	.0	.0	139	5.1	186.8	27.0				
75	.1	.1	.0	140	5.1	191.9	28.2				
76	.1	.2	.0	141	5.4	197.3	29.5				
77	1.0	1.2	.0	142	5.8	203.1	31.3				

STN 415 DEPTH 40M







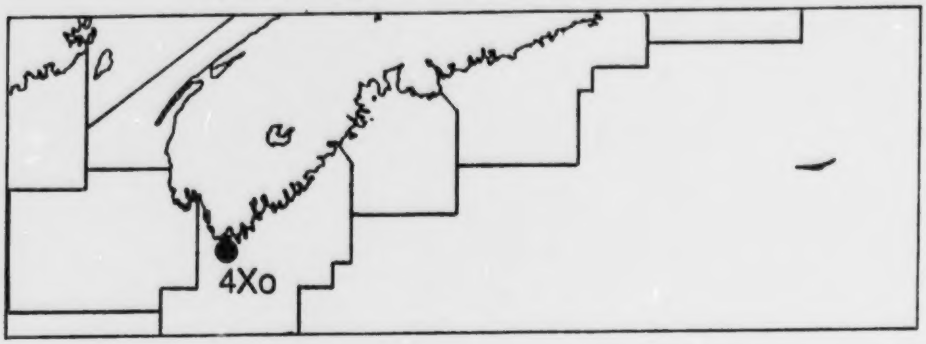
CAPE SABLE IS NS
43.22N 65.55W 2000Z 13/01/90 - 1600Z 23/05/90
INST. 63348

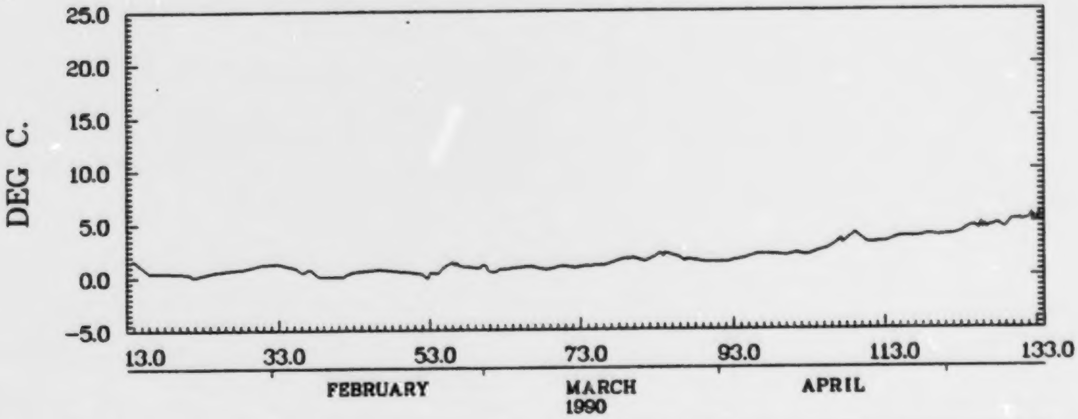
CAPE SABLE IS NS STA. 4XO 416

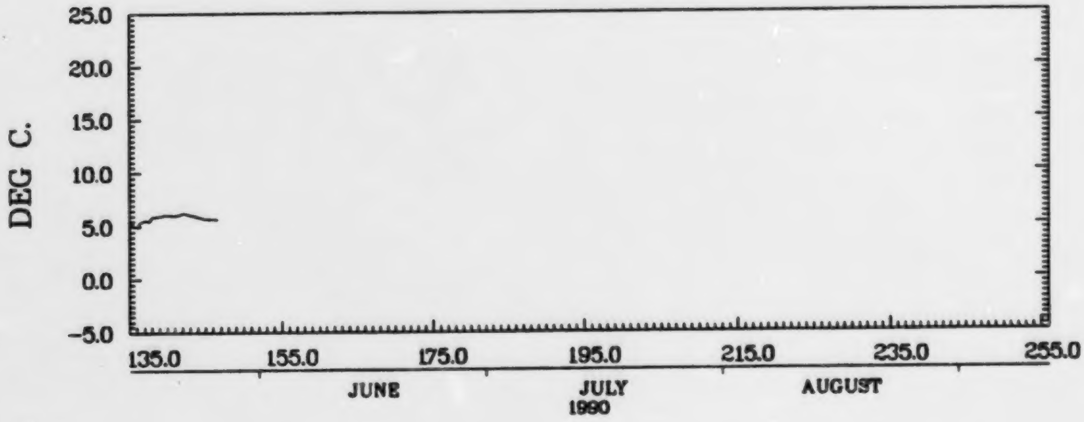
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
20.0M.	20.0M.	43.42	65.55	13/ 1/ 90	26/ 5/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
13	1.7	1.7	.0	78	1.6	47.9	.0	143	6.0	267.1	26.7
14	1.4	3.1	.0	79	1.7	49.6	.0	144	5.8	272.9	28.5
15	.8	3.9	.0	80	1.6	51.2	.0	145	5.7	278.6	30.2
16	.4	4.3	.0	81	1.4	52.6	.0	146	5.6	284.2	31.8
17	.4	4.7	.0	82	1.7	54.4	.0				
18	.4	5.1	.0	83	2.0	56.4	.0				
19	.4	5.5	.0	84	2.1	58.5	.0				
20	.4	5.9	.0	85	1.9	60.4	.0				
21	.2	6.1	.0	86	1.6	61.9	.0				
22	.2	6.3	.0	87	1.5	63.5	.0				
23	.3	6.6	.0	88	1.4	64.9	.0				
24	.5	7.1	.0	89	1.3	66.2	.0				
25	.6	7.7	.0	90	1.3	67.6	.0				
26	.7	8.3	.0	91	1.3	68.9	.0				
27	.7	9.1	.0	92	1.4	70.3	.0				
28	.8	9.9	.0	93	1.5	71.8	.0				
29	1.0	10.9	.0	94	1.7	73.5	.0				
30	1.2	12.0	.0	95	1.9	75.4	.0				
31	1.2	13.2	.0	96	2.0	77.4	.0				
32	1.3	14.5	.0	97	2.0	79.4	.0				
33	1.2	15.7	.0	98	2.0	81.4	.0				
34	1.0	16.7	.0	99	1.9	83.3	.0				
35	.8	17.5	.0	100	2.0	85.3	.0				
36	.6	18.0	.0	101	2.1	87.4	.0				
37	.6	18.6	.0	102	2.0	89.4	.0				
38	.1	18.7	.0	103	2.1	91.5	.0				
39	.1	18.8	.0	104	2.4	93.9	.0				
40	.1	18.8	.0	105	2.6	96.4	.0				
41	.1	18.9	.0	106	3.0	99.5	.0				
42	.3	19.3	.0	107	3.3	102.7	.0				
43	.5	19.8	.0	108	3.7	106.4	.0				
44	.6	20.4	.0	109	3.8	110.2	.0				
45	.7	21.0	.0	110	3.2	113.4	.0				
46	.7	21.7	.0	111	3.1	116.5	.0				
47	.6	22.3	.0	112	3.1	119.6	.0				
48	.6	22.9	.0	113	3.3	122.9	.0				
49	.5	23.4	.0	114	3.5	126.4	.0				
50	.4	23.8	.0	115	3.6	130.0	.0				
51	.3	24.2	.0	116	3.6	133.7	.0				
52	.1	24.2	.0	117	3.7	137.3	.0				
53	.4	24.6	.0	118	3.8	141.1	.0				
54	.6	25.2	.0	119	3.8	144.9	.0				
55	1.1	26.3	.0	120	3.7	148.6	.0				
56	1.2	27.5	.0	121	3.8	152.5	.0				
57	1.0	28.5	.0	122	3.9	156.4	.0				
58	.9	29.4	.0	123	4.2	160.6	.2				
59	.9	30.3	.0	124	4.6	165.2	.8				
60	.9	31.2	.0	125	4.5	169.7	1.3				
61	.5	31.7	.0	126	4.6	174.3	1.9				
62	.7	32.4	.0	127	4.7	179.0	2.6				
63	.7	33.1	.0	128	4.6	183.6	3.2				
64	.8	33.9	.0	129	5.0	188.6	4.2				
65	.9	34.8	.0	130	5.2	193.8	5.4				
66	.9	35.8	.0	131	5.2	199.0	6.6				
67	.8	36.6	.0	132	5.4	204.4	8.0				
68	.7	37.3	.0	133	5.2	209.6	9.2				
69	.8	38.1	.0	134	5.3	214.9	10.5				
70	.9	39.0	.0	135	5.1	220.0	11.7				
71	.9	39.9	.0	136	5.3	225.3	12.9				
72	.9	40.8	.0	137	5.6	230.9	14.5				
73	1.0	41.7	.0	138	5.9	236.8	16.4				
74	1.0	42.7	.0	139	6.0	242.8	18.5				
75	1.0	43.8	.0	140	6.0	248.9	20.5				
76	1.1	44.9	.0	141	6.1	254.9	22.6				
77	1.4	46.3	.0	142	6.2	261.1	24.7				

STN 416 DEPTH 20M







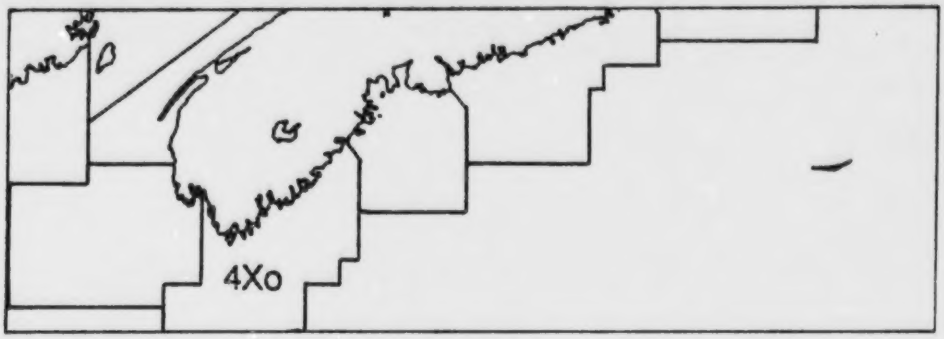
CAPE SABLE IS NS
43.42N 65.55W 2000Z 13/01/90 - 1200Z 26/05/90
INST. 62471

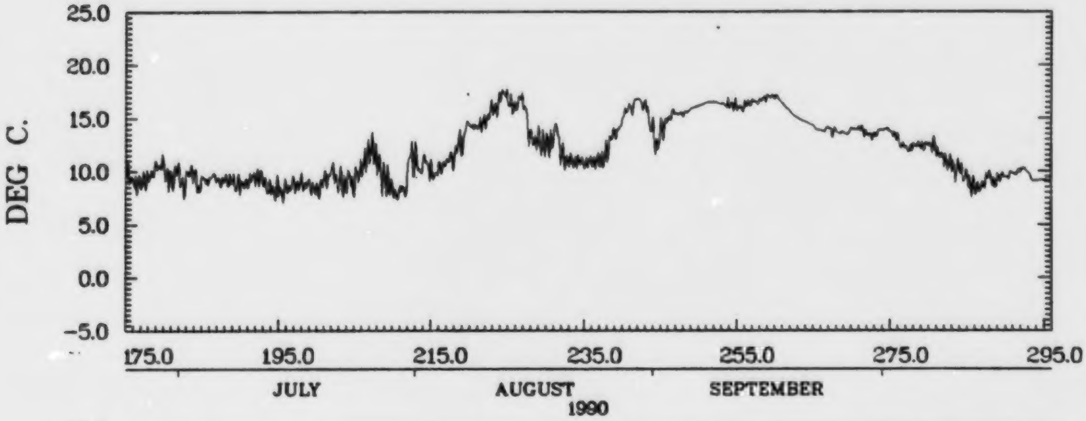
CAPE SABLE IS NS STA. 4XO 450

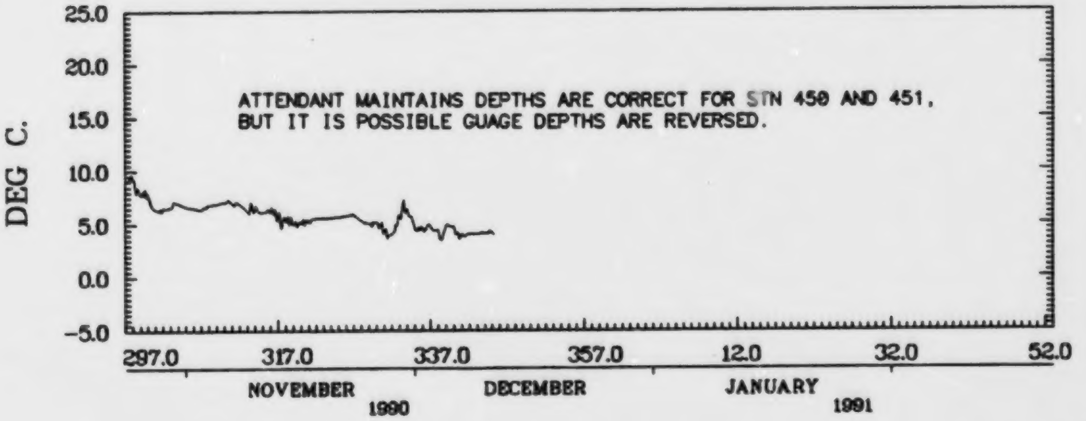
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
20.0M.	20.0M.	43.42	65.55	24/ 6/ 90	11/12/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
175	9.5	9.5	5.5	240	15.6	714.7	450.7	305	6.6	1527.0	1003.0
176	8.9	18.4	10.4	241	16.2	730.9	462.9	306	6.5	1533.4	1005.4
177	9.1	27.5	15.5	242	16.4	747.3	475.3	307	6.6	1540.0	1008.0
178	9.8	37.4	21.4	243	15.1	762.5	486.5	308	6.8	1546.8	1010.8
179	10.7	48.0	28.0	244	12.9	775.3	495.3	309	7.0	1553.8	1013.8
180	9.7	57.8	33.8	245	14.4	789.7	505.7	310	7.2	1561.0	1017.0
181	9.6	67.4	39.4	246	15.3	805.0	517.0	311	6.9	1567.9	1019.9
182	8.9	76.3	44.3	247	15.4	820.4	528.4	312	6.7	1574.6	1022.6
183	9.9	86.2	50.2	248	15.5	836.0	540.0	313	6.4	1580.9	1024.9
184	8.9	95.1	55.1	249	16.0	852.0	552.0	314	6.3	1587.2	1027.2
185	9.2	104.3	60.3	250	16.3	868.3	564.3	315	6.2	1593.4	1029.4
186	9.5	113.8	65.8	251	16.5	884.7	576.7	316	6.1	1599.5	1031.5
187	9.0	122.8	70.8	252	16.4	901.2	589.2	317	5.4	1604.9	1032.9
188	9.1	132.0	76.0	253	16.4	917.5	601.5	318	5.3	1610.2	1034.2
189	9.1	141.0	81.0	254	16.2	933.7	613.7	319	5.1	1615.3	1035.3
190	8.8	149.8	85.8	255	15.8	949.5	625.5	320	5.2	1620.5	1036.5
191	9.3	159.1	91.1	256	16.3	965.9	637.9	321	5.4	1625.8	1037.8
192	9.5	168.6	96.6	257	16.5	982.4	650.4	322	5.6	1631.4	1039.4
193	8.7	177.2	101.2	258	16.8	999.2	663.2	323	5.6	1637.0	1041.0
194	8.2	185.4	105.4	259	17.1	1016.2	676.2	324	5.6	1642.6	1042.6
195	8.1	193.5	109.5	260	16.8	1033.1	689.1	325	5.7	1648.3	1044.3
196	8.6	202.1	114.1	261	16.1	1049.1	701.1	326	5.8	1654.1	1046.1
197	8.8	210.9	118.9	262	15.3	1064.5	712.5	327	5.6	1659.8	1047.8
198	8.8	219.7	123.7	263	14.9	1079.3	723.3	328	5.2	1665.0	1049.0
199	8.4	228.1	128.1	264	14.5	1093.9	733.9	329	5.1	1670.0	1050.0
200	8.5	236.6	132.6	265	14.0	1107.9	743.9	330	4.8	1674.8	1050.8
201	9.5	246.1	138.1	266	13.9	1121.8	753.8	331	4.0	1678.9	1050.9
202	9.5	255.6	143.6	267	13.8	1135.6	763.6	332	4.7	1683.6	1051.6
203	8.8	264.4	148.4	268	13.7	1149.3	773.3	333	6.2	1689.8	1053.8
204	9.0	273.4	153.4	269	13.6	1162.9	782.9	334	5.7	1695.5	1055.5
205	9.7	283.0	159.0	270	14.0	1176.9	792.9	335	4.5	1700.0	1056.0
206	11.2	294.3	166.3	271	13.9	1190.7	802.7	336	4.6	1704.6	1056.6
207	11.8	306.0	174.0	272	13.4	1204.1	812.1	337	4.5	1709.1	1057.1
208	9.9	315.9	179.9	273	13.7	1217.8	821.8	338	3.9	1713.0	1057.1
209	8.8	324.8	184.8	274	13.9	1231.7	831.7	339	4.8	1717.8	1057.9
210	8.0	332.7	188.7	275	13.4	1245.1	841.1	340	4.1	1721.9	1058.0
211	8.2	340.9	192.9	276	12.6	1257.7	849.7	341	4.0	1725.8	1058.0
212	10.9	351.8	199.8	277	12.1	1269.9	857.9	342	4.1	1729.9	1058.0
213	10.7	362.5	206.5	278	12.5	1282.4	866.4	343	4.1	1734.0	1058.1
214	10.6	373.1	213.1	279	12.4	1294.7	874.7	344	4.2	1738.2	1058.3
215	9.9	383.0	219.0	280	12.5	1307.2	883.2	345	4.1	1742.3	1058.4
216	10.5	393.5	225.5	281	11.6	1318.8	890.8				
217	11.1	404.6	232.6	282	10.9	1329.6	897.6				
218	12.2	416.8	240.8	283	10.2	1339.9	903.9				
219	13.6	430.4	250.4	284	9.8	1349.7	909.7				
220	14.2	444.6	260.6	285	8.9	1358.6	914.6				
221	14.5	459.2	271.2	286	8.4	1366.9	918.9				
222	15.3	474.5	282.5	287	9.2	1376.1	924.1				
223	16.1	490.6	294.6	288	9.1	1385.2	929.2				
224	17.3	507.9	307.9	289	9.5	1394.7	934.7				
225	16.2	524.0	320.0	290	9.6	1404.2	940.2				
226	16.6	540.6	332.6	291	9.9	1414.1	946.1				
227	14.6	555.3	343.3	292	10.1	1424.2	952.2				
228	12.8	568.1	352.1	293	9.4	1433.6	957.6				
229	12.6	580.7	360.7	294	9.2	1442.8	962.8				
230	12.7	593.3	369.3	295	9.2	1452.0	968.0				
231	13.2	606.5	378.5	296	9.2	1461.1	973.1				
232	11.1	617.7	385.7	297	9.2	1470.4	978.4				
233	11.0	628.7	392.7	298	8.5	1478.9	982.9				
234	10.9	639.5	399.5	299	7.9	1486.8	986.8				
235	10.8	650.4	406.4	300	7.0	1493.7	989.7				
236	10.9	661.3	413.3	301	6.3	1500.1	992.1				
237	11.3	672.6	420.6	302	6.5	1506.6	994.6				
238	12.7	685.3	429.3	303	6.9	1513.5	997.5				
239	13.8	699.1	439.1	304	6.8	1520.4	1000.4				

STN 450 DEPTH 20M






ATTENDANT MAINTAINS DEPTHS ARE CORRECT FOR STN 450 AND 451,
BUT IT IS POSSIBLE GUAGE DEPTHS ARE REVERSED.

CAPE SABLE IS NS
43.42N 65.55W 0000Z 24/06/90 - 0400Z 11/12/90
INST. 60914

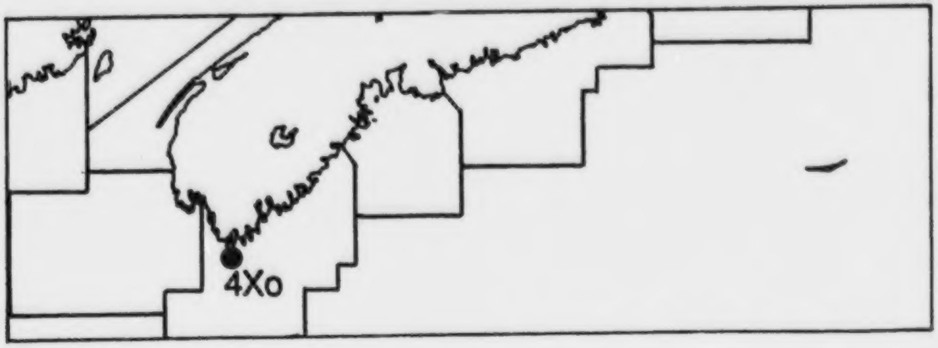
CAPE SABLE IS NS

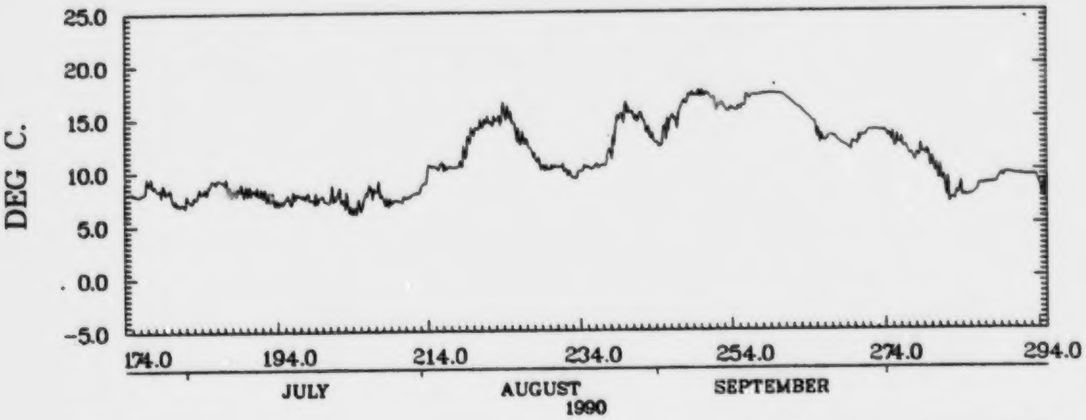
STA. 4XO 451

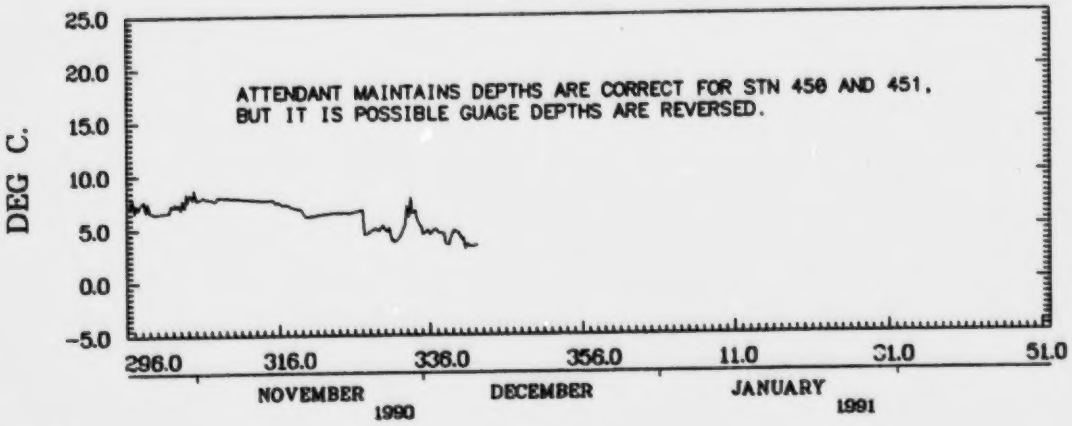
WATER DEPTH 10.0M.
INST DEPTH 10.0M.
LATITUDE 43.44
LONGITUDE 65.50
FROM 23/ 6/ 90
TO 8/12/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
174	8.2	8.2	4.2
175	7.9	16.1	8.1
176	8.3	24.4	12.4
177	8.9	33.3	17.3
178	8.3	41.6	21.6
179	8.3	49.9	25.9
180	7.2	57.1	29.1
181	6.9	64.1	32.1
182	7.4	71.5	35.5
183	8.0	79.4	39.4
184	8.3	87.7	43.7
185	9.0	96.7	48.7
186	9.2	105.9	53.9
187	8.5	114.4	58.4
188	8.2	122.6	62.6
189	8.4	131.0	67.0
190	8.2	139.2	71.2
191	8.2	147.3	75.3
192	7.8	155.1	79.1
193	7.4	162.5	82.5
194	7.1	169.6	85.6
195	7.4	177.0	89.0
196	7.9	184.8	92.8
197	7.7	192.5	96.5
198	7.4	199.9	99.9
199	7.6	207.5	103.5
200	7.3	214.8	106.8
201	7.7	222.4	110.4
202	7.5	229.9	113.9
203	6.7	236.7	116.7
204	6.7	243.3	119.3
205	7.4	250.7	122.7
206	8.2	258.9	126.9
207	8.1	267.0	131.0
208	7.2	274.2	134.2
209	7.2	281.4	137.4
210	7.4	288.8	140.8
211	7.7	296.5	144.5
212	8.0	304.5	148.5
213	8.9	313.4	153.4
214	10.5	323.9	159.9
215	10.5	334.4	166.4
216	10.4	344.8	172.8
217	10.4	355.2	179.2
218	11.0	366.2	186.2
219	13.1	379.4	195.4
220	14.1	393.4	205.4
221	14.6	408.1	216.1
222	14.7	422.8	226.8
223	15.1	437.9	237.9
224	15.5	453.4	249.4
225	14.0	467.5	259.5
226	12.9	480.4	268.4
227	12.1	492.5	276.5
228	11.0	503.4	283.4
229	10.3	513.7	289.7
230	10.4	524.1	296.1
231	10.4	534.5	302.5
232	9.8	544.4	308.4
233	9.6	553.9	313.9
234	10.2	564.1	320.1
235	10.3	574.5	326.5
236	10.5	585.0	333.0
237	11.0	596.0	340.0
238	13.0	609.0	349.0
239	15.2	624.1	360.1
240	15.7	639.9	371.9
241	15.0	654.9	382.9
242	14.5	669.4	393.4
243	13.3	682.6	402.6
244	12.5	695.1	411.1
245	14.1	709.3	421.3
246	14.8	724.1	432.1
247	16.0	740.1	444.1
248	17.0	757.1	457.1
249	17.2	774.3	470.3
250	17.2	791.5	483.5
251	16.8	808.3	496.3
252	16.2	824.5	508.5
253	15.8	840.2	520.2
254	15.8	856.0	532.0
255	16.2	872.3	544.3
256	17.0	889.2	557.2
257	17.1	906.4	570.4
258	17.2	923.6	583.6
259	17.2	940.8	596.8
260	17.1	958.0	610.0
261	16.7	974.7	622.7
262	16.1	990.7	634.7
263	15.4	1006.2	646.2
264	14.7	1020.9	656.9
265	13.2	1034.1	666.1
266	13.0	1047.1	675.1
267	13.1	1060.2	684.2
268	12.5	1072.7	692.7
269	12.3	1085.0	701.0
270	12.9	1097.8	709.8
271	13.4	1111.3	719.3
272	13.8	1125.1	729.1
273	13.7	1138.8	738.8
274	13.3	1152.1	748.1
275	12.8	1164.8	756.8
276	12.4	1177.2	765.2
277	11.4	1188.6	772.6
278	11.6	1200.2	780.2
279	11.4	1211.6	787.6
280	10.3	1221.9	793.9
281	9.2	1231.1	799.1
282	7.6	1238.7	802.7
283	7.9	1246.7	806.7
284	7.6	1254.2	810.2
285	7.8	1262.0	814.0
286	8.6	1270.6	818.6
287	8.7	1279.3	823.3
288	8.9	1288.2	828.2
289	9.6	1297.8	833.8
290	9.6	1307.4	839.4
291	9.5	1316.9	844.9
292	9.5	1326.4	850.4
293	9.4	1335.8	855.8
294	8.2	1344.0	860.0
295	7.6	1351.6	863.6
296	7.3	1358.8	866.8
297	7.1	1365.9	869.9
298	7.3	1373.2	873.2
299	6.5	1379.8	875.8
300	6.5	1386.3	878.3
301	6.8	1393.1	881.1
302	7.2	1400.3	884.3
303	7.5	1407.8	887.8
304	8.2	1416.0	892.0
305	7.9	1423.8	895.8
306	7.9	1431.7	899.7
307	7.8	1439.5	903.5
308	8.0	1447.5	907.5
309	7.9	1455.4	911.4
310	7.9	1463.2	915.2
311	7.8	1471.1	919.1
312	7.8	1478.8	922.8
313	7.7	1486.5	926.5
314	7.7	1494.2	930.2
315	7.5	1501.8	933.8
316	7.3	1509.1	937.1
317	7.1	1516.2	940.2
318	6.9	1523.1	943.1
319	6.3	1529.4	945.4
320	6.2	1535.6	947.6
321	6.3	1541.9	949.9
322	6.4	1548.3	952.3
323	6.5	1554.8	954.8
324	6.5	1561.3	957.3
325	6.5	1567.8	959.8
326	6.7	1574.4	962.4
327	4.9	1579.4	963.4
328	4.9	1584.3	964.3
329	5.0	1589.3	965.3
330	4.6	1593.9	965.9
331	3.9	1597.9	965.9
332	5.2	1603.1	967.2
333	6.7	1609.8	969.8
334	5.8	1615.5	971.6
335	4.6	1620.1	972.2
336	4.7	1624.9	973.0
337	4.5	1629.4	973.5
338	3.7	1633.2	973.5
339	4.7	1637.8	974.1
340	3.7	1641.6	974.1
341	3.3	1644.9	974.1
342	3.4	1648.3	974.1

STN 451 DEPTH 10M







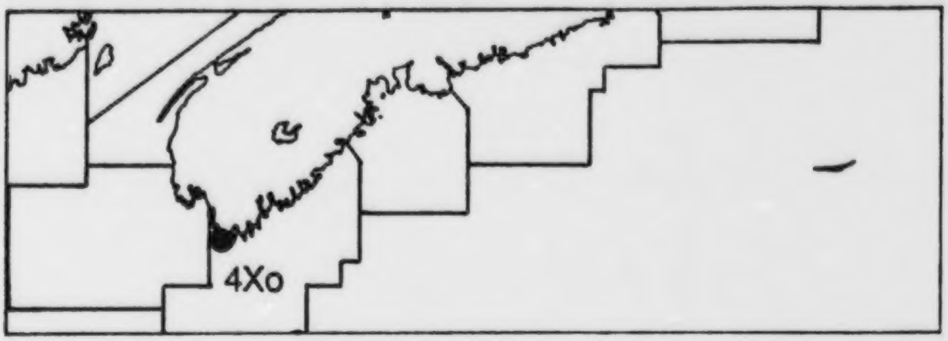
CAPE SABLE IS NS
43.44N 65.50W 2000Z 23/06/90 - 0400Z 08/12/90
INST. 63320

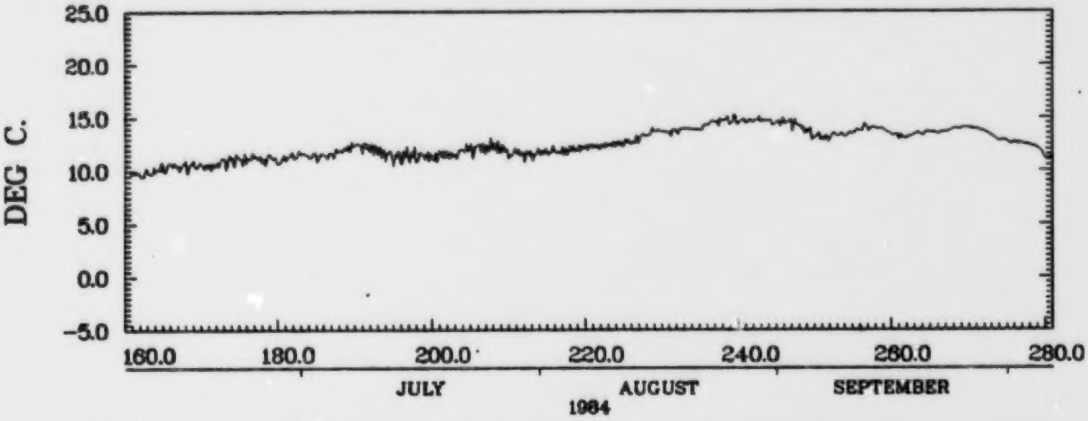
DUCK ISLAND NS STA. 4XO 424

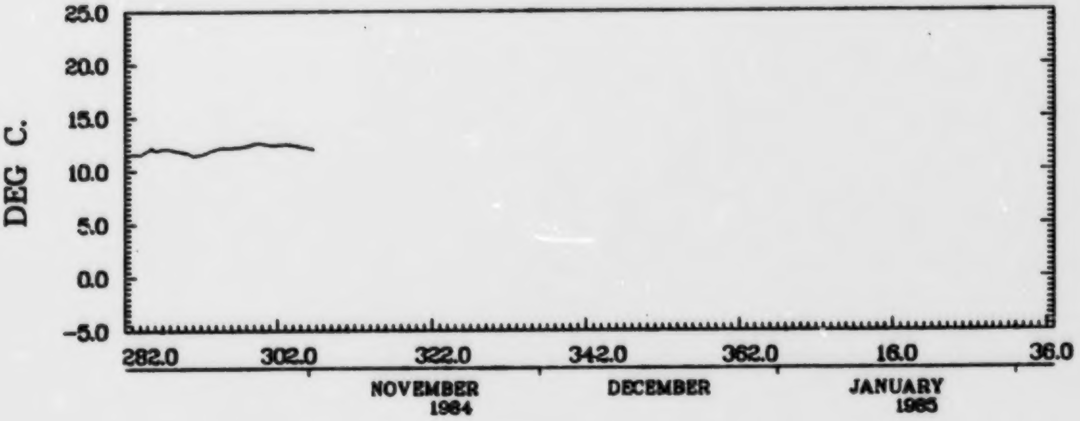
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
17.0M.	16.0M.	43.40	65.76	8/ 6/ 84	1/11/ 84

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
160	9.7	9.7	5.7	225	12.7	754.7	490.7	290	11.6	1622.6	1098.6
161	9.8	19.5	11.5	226	12.8	767.6	499.6	291	11.5	1634.1	1106.1
162	9.8	29.3	17.3	227	13.3	780.8	508.8	292	11.7	1645.8	1113.8
163	9.9	39.2	23.2	228	13.6	794.4	518.4	293	12.0	1657.8	1121.8
164	10.3	49.4	29.4	229	13.8	808.2	528.2	294	12.2	1669.9	1129.9
165	10.3	59.8	35.8	230	13.6	821.8	537.8	295	12.2	1682.1	1138.1
166	10.5	70.3	42.3	231	13.7	835.5	547.5	296	12.2	1694.3	1146.3
167	10.5	80.8	48.8	232	13.8	849.3	557.3	297	12.3	1706.6	1154.6
168	10.4	91.2	55.2	233	13.9	863.2	567.2	298	12.5	1719.1	1163.1
169	10.6	101.8	61.8	234	13.9	877.1	577.1	299	12.6	1731.7	1171.7
170	10.4	112.2	68.2	235	14.1	891.2	587.2	300	12.5	1744.2	1180.2
171	10.5	122.7	74.7	236	14.6	905.8	597.8	301	12.4	1756.6	1188.6
172	10.9	133.7	81.7	237	14.6	920.4	608.4	302	12.5	1769.1	1197.1
173	10.9	144.6	88.6	238	14.7	935.1	619.1	303	12.5	1781.6	1205.6
174	11.1	155.7	95.7	239	14.7	949.8	629.8	304	12.3	1793.9	1213.9
175	11.0	166.7	102.7	240	14.7	964.5	640.5	305	12.2	1806.1	1222.1
176	11.3	178.0	110.0	241	14.7	979.1	651.1	306	12.1	1818.2	1230.2
177	11.2	189.2	117.2	242	14.8	993.9	661.9				
178	11.1	200.3	124.3	243	14.7	1008.6	672.6				
179	11.2	211.5	131.5	244	14.5	1023.0	683.0				
180	11.1	222.6	138.6	245	14.6	[illegible]	693.6				
181	11.4	234.0	146.0	246	14.6	[illegible]	704.2				
182	11.5	245.4	153.4	247	14.3	1066.5	714.5				
183	11.6	257.0	161.0	248	13.8	1080.4	724.4				
184	11.5	268.5	168.5	249	13.4	1093.8	733.8				
185	11.3	279.8	175.8	250	13.2	1106.9	742.9				
186	11.5	291.3	183.3	251	13.0	1120.0	752.0				
187	11.7	303.0	191.0	252	13.3	1133.3	761.3				
188	12.0	315.0	199.0	253	13.3	1146.6	770.6				
189	12.3	327.2	207.2	254	13.4	1160.0	780.0				
190	12.3	339.6	215.6	255	13.7	1173.7	789.7				
191	12.2	351.8	223.8	256	14.0	1187.7	799.7				
192	12.0	363.9	231.9	257	14.0	1201.7	809.7				
193	11.7	375.6	239.6	258	13.9	1215.6	819.6				
194	11.4	387.0	247.0	259	13.6	1229.3	829.3				
195	11.4	398.4	254.4	260	13.3	1242.6	838.6				
196	11.5	409.9	261.9	261	13.1	1255.7	847.7				
197	11.4	421.3	269.3	262	13.2	1268.9	856.9				
198	11.4	432.7	276.7	263	13.5	1282.4	866.4				
199	11.4	444.1	284.1	264	13.6	1296.0	876.0				
200	11.3	455.4	291.4	265	13.6	1309.6	885.6				
201	11.6	467.0	299.0	266	13.6	1323.2	895.2				
202	11.4	478.4	306.4	267	13.8	1337.0	905.0				
203	11.7	490.1	314.1	268	14.0	1350.9	914.9				
204	12.1	502.2	322.2	269	14.1	1365.0	925.0				
205	12.1	514.3	330.3	270	14.0	1378.9	934.9				
206	12.1	526.4	338.4	271	13.8	1392.8	944.8				
207	12.3	538.7	346.7	272	13.5	1406.3	954.3				
208	12.1	550.8	354.8	273	13.0	1419.3	963.3				
209	11.9	562.8	362.8	274	12.9	1432.1	972.1				
210	11.7	574.4	370.4	275	12.6	1444.7	980.7				
211	11.5	585.9	377.9	276	12.6	1457.3	989.3				
212	11.5	597.4	385.4	277	12.4	1469.8	997.8				
213	11.6	609.0	393.0	278	12.3	1482.0	1006.0				
214	11.7	620.7	400.7	279	11.7	1493.7	1013.7				
215	11.8	632.5	408.5	280	11.2	1504.9	1020.9				
216	11.8	644.3	416.3	281	11.3	1516.2	1028.2				
217	11.8	656.1	424.1	282	11.5	1527.7	1035.7				
218	12.0	668.1	432.1	283	11.6	1539.3	1043.3				
219	12.2	680.2	440.2	284	11.8	1551.1	1051.1				
220	12.3	692.5	448.5	285	12.1	1563.2	1059.2				
221	12.2	704.7	456.7	286	12.0	1575.2	1067.2				
222	12.4	717.1	465.1	287	12.1	1587.2	1075.2				
223	12.5	729.5	473.5	288	11.9	1599.2	1083.2				
224	12.5	742.1	482.1	289	11.8	1611.0	1091.0				

STN 424 DEPTH 16M







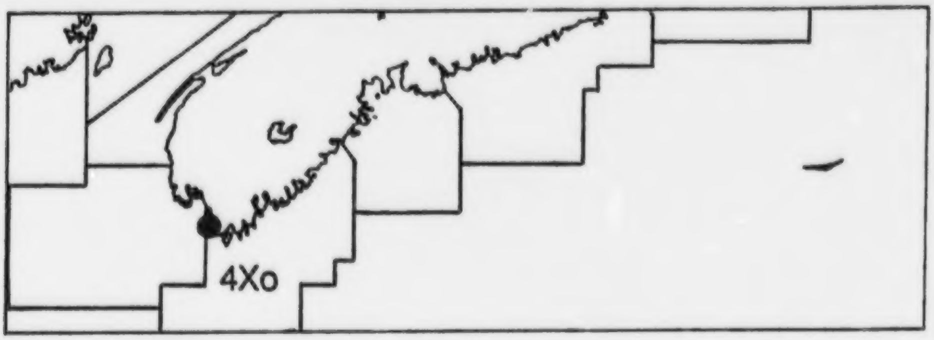
DUCK ISLAND NS
43.40N 65.76W 1500Z 08/06/84 - 1500Z 01/11/84
INST. 62921

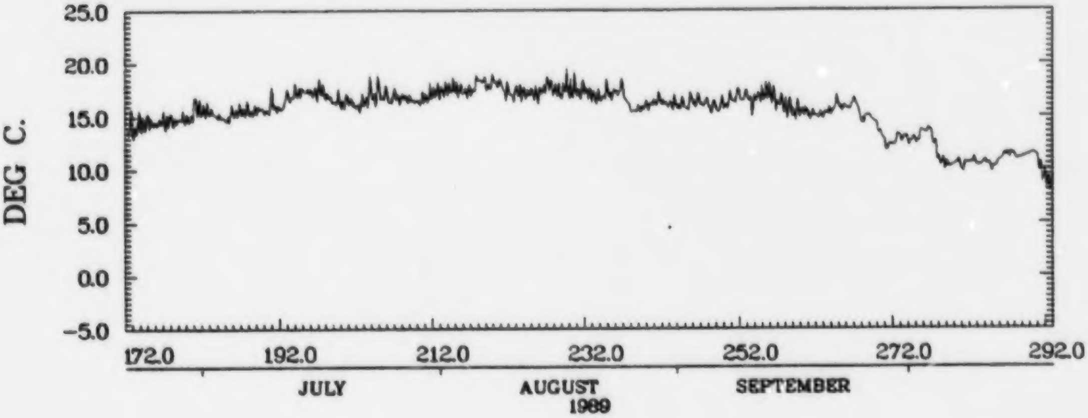
PUBNICO HARBOUR NS (DFO HFX) STA. 4XO 403

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
5.0M.	5.0M.	43.58	65.80	21/ 6/ 89	20/10/ 89

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
172	14.3	14.3	10.3	237	16.7	1091.9	827.9				
173	14.0	28.3	20.3	238	15.5	1107.4	839.4				
174	14.3	42.6	30.6	239	15.8	1123.2	851.2				
175	14.5	57.1	41.1	240	16.1	1139.3	863.3				
176	14.5	71.6	51.6	241	16.5	1155.8	875.8				
177	14.6	86.2	62.2	242	16.2	1171.9	887.9				
178	14.6	100.8	72.8	243	16.2	1188.1	900.1				
179	14.9	115.7	83.7	244	16.0	1204.1	912.1				
180	14.9	130.6	94.6	245	16.1	1220.3	924.3				
181	16.0	146.6	106.6	246	16.4	1236.7	936.7				
182	15.6	162.2	118.2	247	16.3	1253.0	949.0				
183	15.3	177.5	129.5	248	15.9	1268.8	960.8				
184	15.0	192.5	140.5	249	15.9	1284.8	972.8				
185	15.0	207.5	151.5	250	16.2	1301.0	985.0				
186	15.5	223.0	163.0	251	16.7	1317.7	997.7				
187	15.6	238.6	174.6	252	16.8	1334.5	1010.5				
188	15.5	254.1	186.1	253	16.4	1350.8	1022.8				
189	15.7	269.8	197.8	254	16.8	1367.6	1035.6				
190	15.6	285.4	209.4	255	17.1	1384.7	1048.7				
191	16.2	301.6	221.6	256	16.8	1401.5	1061.5				
192	16.1	317.6	233.6	257	16.3	1417.8	1073.8				
193	16.9	334.6	246.6	258	15.8	1433.6	1085.6				
194	17.4	352.0	260.0	259	15.4	1449.0	1097.0				
195	17.4	369.4	273.4	260	15.4	1464.4	1108.4				
196	17.3	386.7	286.7	261	15.1	1479.5	1119.5				
197	17.6	404.2	300.2	262	15.1	1494.6	1130.6				
198	16.8	421.0	313.0	263	15.3	1509.9	1141.9				
199	16.6	437.6	325.6	264	15.8	1525.6	1153.6				
200	16.4	454.0	338.0	265	15.9	1541.5	1165.5				
201	16.3	470.3	350.3	266	15.9	1557.4	1177.4				
202	16.2	486.5	362.5	267	16.0	1573.4	1189.4				
203	16.8	503.3	375.3	268	14.8	1588.1	1200.1				
204	17.0	520.3	388.3	269	14.7	1602.9	1210.9				
205	17.1	537.4	401.4	270	13.5	1616.4	1220.4				
206	16.8	554.2	414.2	271	12.2	1628.6	1228.6				
207	16.8	571.0	427.0	272	12.7	1641.3	1237.3				
208	16.7	587.8	439.8	273	13.0	1654.3	1246.3				
209	16.6	604.3	452.3	274	12.7	1667.0	1255.0				
210	16.6	620.9	464.9	275	13.0	1680.0	1264.0				
211	17.0	638.0	478.0	276	13.7	1693.7	1273.7				
212	17.3	655.3	491.3	277	12.6	1706.3	1282.3				
213	17.5	672.7	504.7	278	10.7	1717.0	1289.0				
214	17.7	690.4	518.4	279	10.4	1727.4	1295.4				
215	17.5	707.9	531.9	280	10.6	1738.0	1302.0				
216	17.4	725.3	545.3	281	10.3	1748.3	1308.3				
217	17.8	743.1	559.1	282	10.7	1759.0	1315.0				
218	18.4	761.5	573.5	283	10.4	1769.4	1321.4				
219	17.9	779.4	587.4	284	10.6	1780.0	1328.0				
220	18.2	797.6	601.6	285	10.3	1790.3	1334.3				
221	17.6	815.1	615.1	286	11.2	1801.4	1341.4				
222	17.1	832.2	628.2	287	11.4	1812.9	1348.9				
223	17.3	849.6	641.6	288	11.1	1823.9	1355.9				
224	17.1	866.7	654.7	289	11.2	1835.2	1363.2				
225	17.1	883.8	667.8	290	11.5	1846.6	1370.6				
226	17.5	901.3	681.3	291	10.1	1856.7	1376.7				
227	18.0	919.3	695.3	292	8.9	1865.6	1381.6				
228	17.4	936.7	708.7	293	8.7	1874.2	1386.2				
229	17.7	954.4	722.4								
230	17.7	972.0	736.0								
231	17.4	989.5	749.5								
232	17.3	1006.8	762.8								
233	16.9	1023.6	775.6								
234	17.0	1040.6	788.6								
235	17.2	1057.7	801.7								
236	17.5	1075.2	815.2								

STN 403 DEPTH 5M





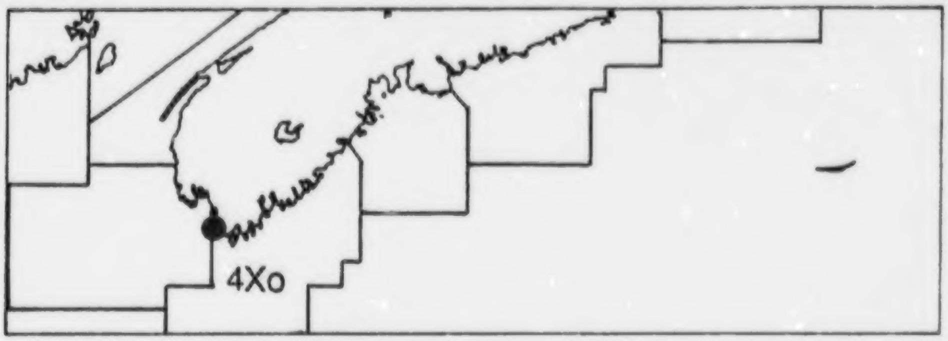
PUBNICO HARBOUR NS (DFO HFX)
43.58N 65.80W 0830Z 21/06/89 - 0430Z 20/10/89
INST. 61523

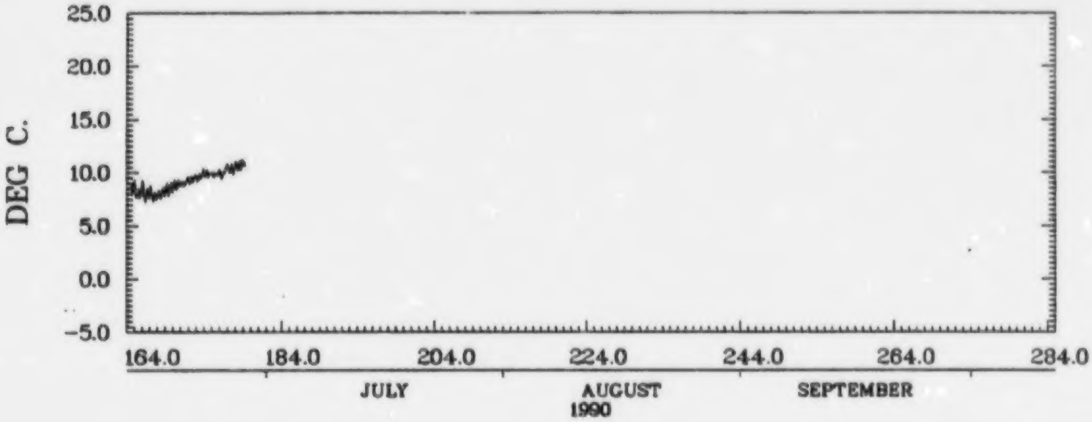
PUBNICO NS STA. 429 4XO

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
10.0M.	9.0M.	43.56	65.80	13/ 6/ 90	28/ 6/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
164	8.5	8.5	4.5								
165	8.1	16.6	8.6								
166	8.1	24.7	12.7								
167	7.9	32.6	16.6								
168	8.1	40.7	20.7								
169	8.5	49.2	25.2								
170	8.9	58.1	30.1								
171	9.1	67.2	35.2								
172	9.4	76.6	40.6								
173	9.7	86.3	46.3								
174	9.8	96.1	52.1								
175	9.9	106.0	58.0								
176	10.1	116.1	64.1								
177	10.3	126.4	70.4								
178	10.7	137.1	77.1								
179	10.8	147.9	83.9								

STN 429 DEPTH 9M





PUBNICO NS
43.58N 65.80W 0930Z 13/06/90 - 0800Z 28/06/90
INST. 63318

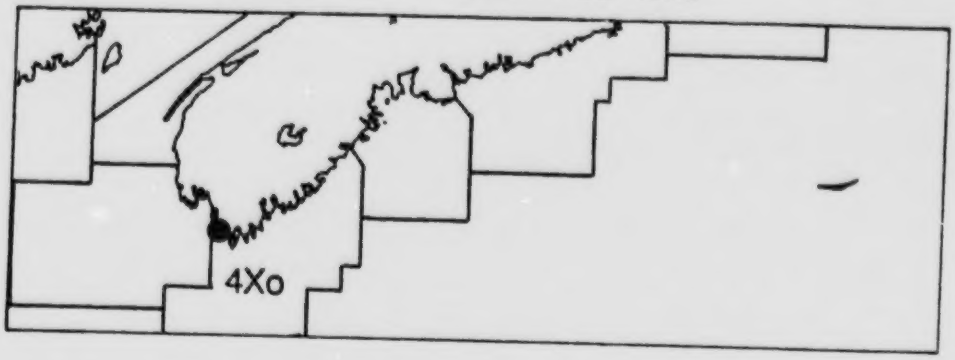
WOODS HARBOUR NS (DFO HFX)

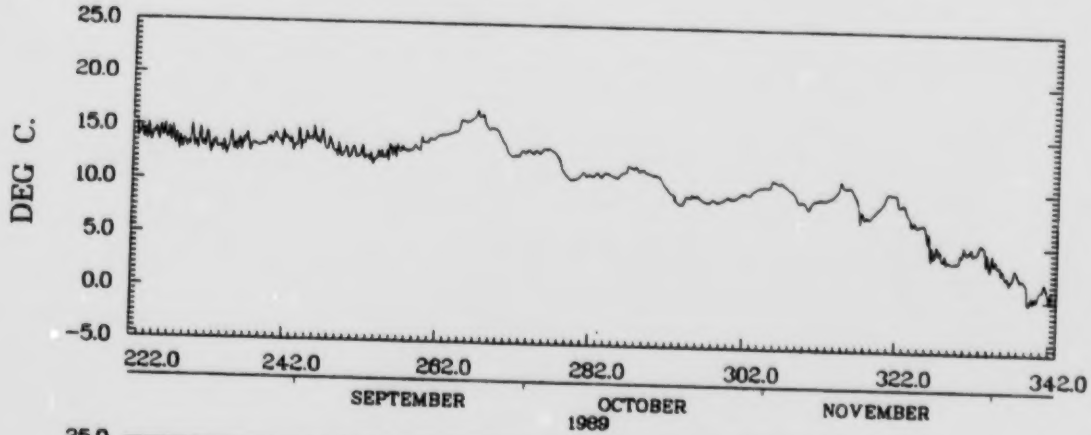
STA. 4XO 404

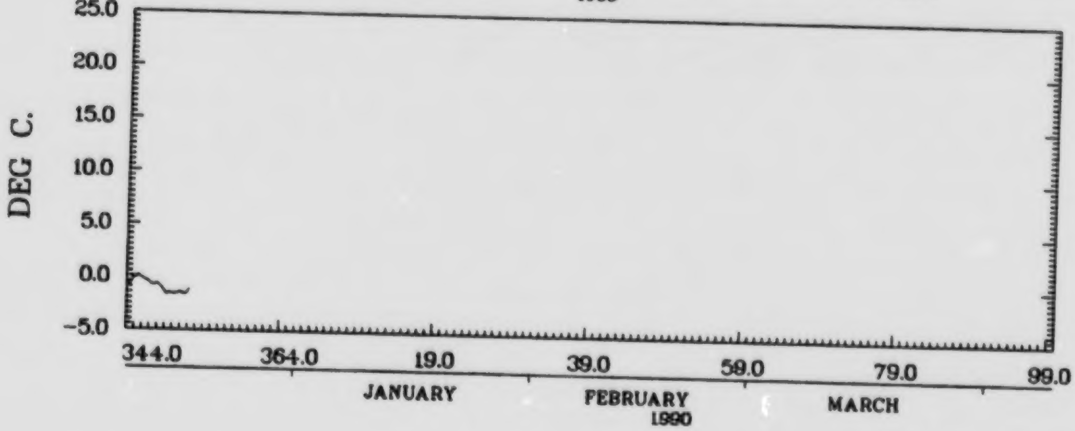
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
4.0M.	1.0M.	43.55	65.74	10/ 8/ 89	18/12/ 89

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
222	14.5	14.5	10.5	287	11.8	877.9	613.9	352	-1.2	1281.3	819.0
223	14.1	28.6	20.6	288	11.5	889.4	621.4				
224	14.2	42.9	30.9	289	11.3	900.7	628.7				
225	14.4	57.2	41.2	290	11.1	911.8	635.8				
226	14.3	71.5	51.5	291	10.3	922.1	642.1				
227	13.8	85.4	61.4	292	9.4	931.5	647.5				
228	13.4	98.7	70.7	293	8.5	940.0	652.0				
229	13.7	112.5	80.5	294	9.1	949.1	657.1				
230	13.7	126.1	90.1	295	9.3	958.4	662.4				
231	13.6	139.7	99.7	296	8.9	967.3	667.3				
232	13.1	152.9	108.9	297	8.8	976.1	672.1				
233	13.1	166.0	118.0	298	8.8	984.9	676.9				
234	13.2	179.1	127.1	299	9.1	994.0	682.0				
235	13.2	192.4	136.4	300	9.1	1003.0	687.0				
236	13.6	205.9	145.9	301	9.5	1012.5	692.5				
237	13.4	219.4	155.4	302	9.6	1022.0	698.0				
238	13.3	232.6	164.6	303	10.0	1032.1	704.1				
239	13.5	246.2	174.2	304	10.2	1042.3	710.3				
240	14.0	260.1	184.1	305	10.6	1052.9	716.9				
241	13.8	274.0	194.0	306	10.6	1063.5	723.5				
242	13.9	287.8	203.8	307	10.3	1073.8	729.8				
243	13.7	301.5	213.5	308	9.5	1083.3	735.3				
244	13.7	315.3	223.3	309	8.8	1092.2	740.2				
245	14.2	329.5	233.5	310	8.5	1100.7	744.7				
246	14.0	343.5	243.5	311	9.1	1109.8	749.8				
247	13.5	356.9	252.9	312	9.1	1118.9	754.9				
248	13.0	369.9	261.9	313	9.4	1128.3	760.3				
249	12.7	382.6	270.6	314	10.3	1138.7	766.7				
250	12.7	395.3	279.3	315	10.4	1149.0	773.0				
251	12.6	407.9	287.9	316	9.6	1158.6	778.6				
252	12.4	420.3	296.3	317	7.7	1166.3	782.3				
253	12.1	432.5	304.5	318	7.6	1173.9	785.9				
254	12.5	445.0	313.0	319	8.3	1182.3	790.3				
255	12.8	457.8	321.8	320	9.4	1191.7	795.7				
256	13.1	470.8	330.8	321	9.8	1201.4	801.4				
257	13.1	483.9	339.9	322	8.8	1210.2	806.2				
258	13.2	497.1	349.1	323	7.8	1218.1	810.1				
259	13.4	510.5	358.5	324	7.0	1225.0	813.0				
260	13.9	524.4	368.4	325	6.8	1231.9	815.9				
261	14.2	538.6	378.6	326	4.8	1236.7	816.7				
262	14.5	553.1	389.1	327	4.5	1241.1	817.1				
263	14.7	567.7	399.7	328	3.7	1244.9	817.1				
264	15.2	582.9	410.9	329	3.5	1248.3	817.1				
265	15.8	598.8	422.8	330	4.1	1252.5	817.3				
266	16.2	614.9	434.9	331	4.6	1257.0	817.8				
267	16.4	631.4	447.4	332	4.5	1261.5	818.3				
268	15.3	646.7	458.7	333	4.7	1266.2	819.0				
269	15.1	661.7	469.7	334	3.5	1269.7	819.0				
270	13.9	675.6	479.6	335	3.1	1272.8	819.0				
271	12.7	688.4	488.4	336	2.1	1274.9	819.0				
272	12.8	701.2	497.2	337	2.4	1277.3	819.0				
273	13.1	714.3	506.3	338	1.9	1279.2	819.0				
274	13.1	727.4	515.4	339	.3	1279.5	819.0				
275	13.2	740.6	524.6	340	.5	1280.0	819.0				
276	13.3	753.9	533.9	341	1.2	1281.2	819.0				
277	12.7	766.6	542.6	342	.1	1281.3	819.0				
278	11.1	777.8	549.8	343	-.4	1281.3	819.0				
279	10.6	788.4	556.4	344	-.6	1281.3	819.0				
280	10.9	799.3	563.3	345	.0	1281.3	819.0				
281	11.0	810.3	570.3	346	-.3	1281.3	819.0				
282	11.1	821.4	577.4	347	-.7	1281.3	819.0				
283	11.1	832.5	584.5	348	-1.0	1281.3	819.0				
284	11.1	843.5	591.5	349	-1.6	1281.3	819.0				
285	11.0	854.5	598.5	350	-1.6	1281.3	819.0				
286	11.6	866.1	606.1	351	-1.5	1281.3	819.0				

STN 404 DEPTH 1M







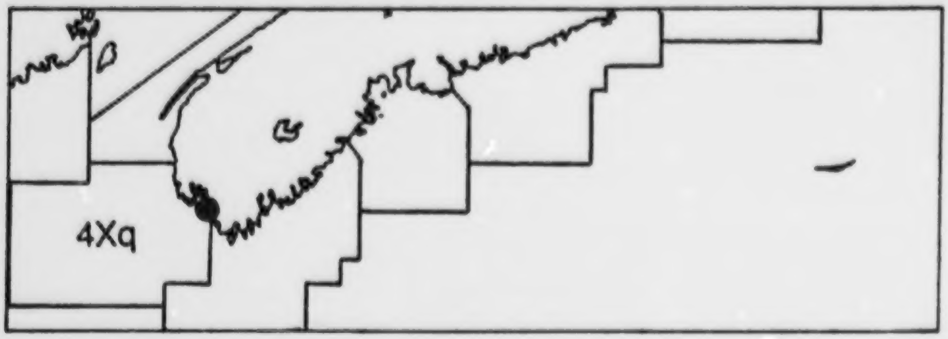
WOODS HARBOUR NS (DFO HFX)
43.55N 65.74W 1300Z 10/08/89 - 0500Z 18/12/89
INST. 60860

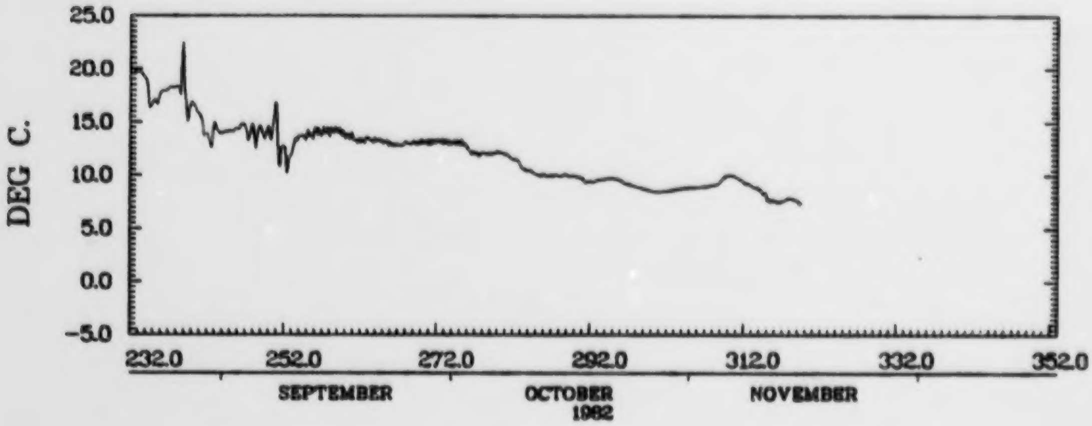
ARGYLE S NS STA. 4XQ 452

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
7.0M.	7.0M.	43.75	65.88	20/ 8/ 82	15/11/ 82

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
232	19.7	19.7	15.7
233	19.6	39.3	31.3
234	17.5	56.8	44.8
235	17.1	73.8	57.8
236	17.9	91.7	71.7
237	18.2	110.0	86.0
238	19.3	129.3	101.3
239	16.4	145.7	113.7
240	16.4	162.1	126.1
241	14.6	176.7	136.7
242	13.5	190.1	146.1
243	14.3	204.4	156.4
244	14.1	218.5	166.5
245	14.2	232.8	176.8
246	14.7	247.4	187.4
247	14.1	261.5	197.5
248	13.8	275.4	207.4
249	14.0	289.4	217.4
250	14.6	304.0	228.0
251	12.9	316.9	236.9
252	11.5	328.4	244.4
253	13.0	341.4	253.4
254	13.6	355.0	263.0
255	13.9	368.9	272.9
256	14.1	383.0	283.0
257	14.2	397.2	293.2
258	14.2	411.4	303.4
259	14.0	425.4	313.4
260	13.7	439.1	323.1
261	13.3	452.4	332.4
262	13.3	465.7	341.7
263	13.3	479.1	351.1
264	13.3	492.3	360.3
265	13.1	505.4	369.4
266	12.9	518.3	378.3
267	12.9	531.1	387.1
268	13.0	544.2	396.2
269	13.0	557.2	405.2
270	13.1	570.3	414.3
271	13.1	583.5	423.5
272	13.2	596.7	432.7
273	13.1	609.8	441.8
274	13.1	622.9	450.9
275	12.9	635.9	459.9
276	12.2	648.1	468.1
277	12.0	660.1	476.1
278	12.1	672.1	484.1
279	12.1	684.2	492.2
280	12.1	696.4	500.4
281	11.8	708.1	508.1
282	11.4	719.5	515.5
283	10.6	730.1	522.1
284	10.3	740.4	528.4
285	10.0	750.5	534.5
286	10.0	760.5	540.5
287	10.0	770.5	546.5
288	10.0	780.5	552.5
289	10.0	790.5	558.5
290	9.9	800.3	564.3
291	9.5	809.8	569.8
292	9.4	819.2	575.2
293	9.6	828.8	580.8
294	9.7	838.5	586.5
295	9.7	848.2	592.2
296	9.3	857.5	597.5
297	9.1	866.6	602.6
298	8.9	875.5	607.5
299	8.7	884.1	612.1
300	8.5	892.6	616.6
301	8.5	901.1	621.1
302	8.6	909.7	625.7
303	8.7	918.4	630.4
304	8.8	927.2	635.2
305	8.9	936.0	640.0
306	8.9	944.9	644.9
307	9.0	953.9	649.9
308	9.2	963.1	655.1
309	9.8	972.9	660.9
310	10.0	982.9	666.9
311	9.7	992.6	672.6
312	9.2	1001.8	677.8
313	8.9	1010.7	682.7
314	8.4	1019.1	687.1
315	7.7	1026.8	690.8
316	7.6	1034.4	694.4
317	7.7	1042.1	698.1
318	7.8	1049.9	701.9
319	7.4	1057.3	705.3

STN 452 DEPTH 7M





ARGYLE S NS
43.75N 65.88W 1200Z 20/08/82 - 1200Z 15/11/82
INST. 60910

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ARGYLE S NS                                                                   STA. 4XQ  453

 WATER DEPTH    INST DEPTH    LATITUDE     LONGITUDE                    FROM          TO
   7.0M.          7.0M.        43.75         65.88                  16/11/  82    22/ 1/  83

   DAY    MEAN    DEG     DEG          DAY    MEAN    DEG     DEG          DAY    MEAN    DEG     DEG
          TEMP  DAY(0)  DAY(4)                TEMP  DAY(0)  DAY(4)                TEMP  DAY(0)  DAY(4)

   320     5.7     5.7     1.7          20    -1.3   147.1    18.3
   321     5.5    11.2     3.2          21    -1.8   147.1    18.3
   322     5.4    16.6     4.6          22    -2.3   147.1    18.3
   323     5.2    21.9     5.9
   324     5.1    26.9     6.9
   325     5.1    32.1     8.1
   326     5.2    37.3     9.3
   327     5.4    42.6    10.6
   328     5.7    48.4    12.4
   329     5.6    54.0    14.0
   330     5.1    59.1    15.1
   331     4.8    63.9    15.9
   332     3.9    67.8    15.9
   333     3.6    71.4    15.9
   334     3.8    75.2    15.9
   335     3.9    79.1    15.9
   336     4.0    83.0    15.9
   337     4.0    87.1    16.0
   338     4.1    91.2    16.1
   339     4.2    95.5    16.3
   340     4.4    99.9    16.8
   341     4.6   104.5    17.4
   342     4.7   109.2    18.1
   343     4.3   113.5    18.3
   344     3.4   116.9    18.3
   345     2.9   119.8    18.3
   346     2.4   122.2    18.3
   347     1.1   123.3    18.3
   348      .5   123.8    18.3
   349      .3   124.2    18.3
   350      .7   124.9    18.3
   351     1.2   126.0    18.3
   352     1.1   127.1    18.3
   353      .9   128.0    18.3
   354     1.0   129.0    18.3
   355     1.1   130.0    18.3
   356     1.0   131.0    18.3
   357      .8   131.7    18.3
   358      .6   132.3    18.3
   359      .7   133.0    18.3
   360      .9   133.9    18.3
   361     1.0   134.9    18.3
   362     1.1   136.0    18.3
   363     1.3   137.3    18.3
   364     1.4   138.7    18.3
   365     1.5   140.3    18.3
     1     1.6   141.9    18.3
     2     1.6   143.4    18.3
     3     1.3   144.7    18.3
     4      .4   145.1    18.3
     5      .0   145.1    18.3
     6     -.2   145.1    18.3
     7     -.3   145.1    18.3
     8     -.3   145.1    18.3
     9     -.6   145.1    18.3
    10     -.8   145.1    18.3
    11     -.3   145.1    18.3
    12      .1   145.2    18.3
    13      .4   145.6    18.3
    14      .5   146.1    18.3
    15      .3   146.4    18.3
    16      .3   146.8    18.3
    17      .3   147.1    18.3
    18      .0   147.1    18.3
    19     -.6   147.1    18.3
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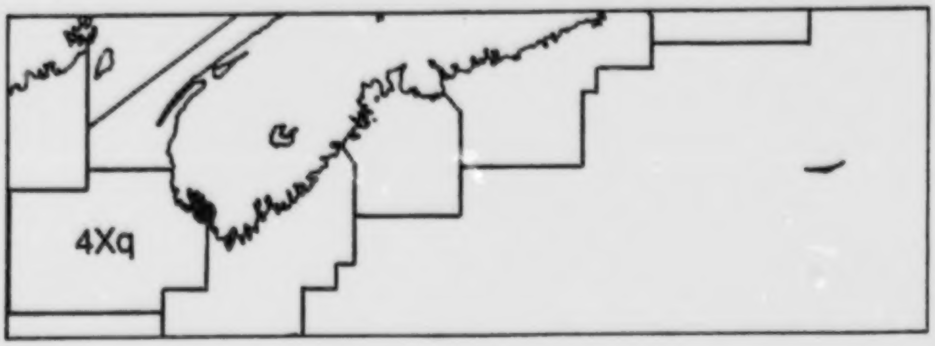
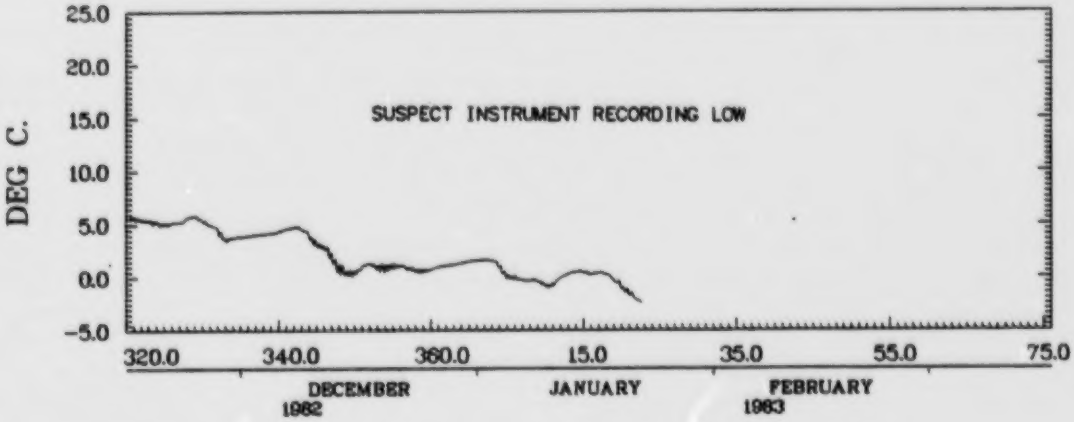
STN 453 DEPTH 7M





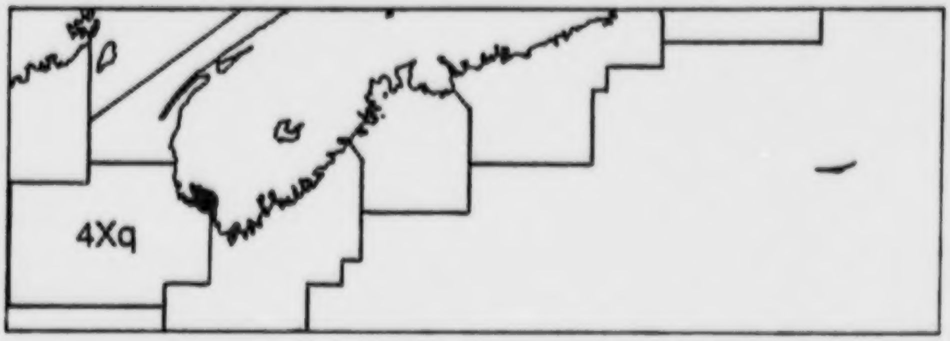
ARGYLE S NS
43.75N 65.88W 1517Z 16/11/82 - 1517Z 22/01/83
INST. 60910

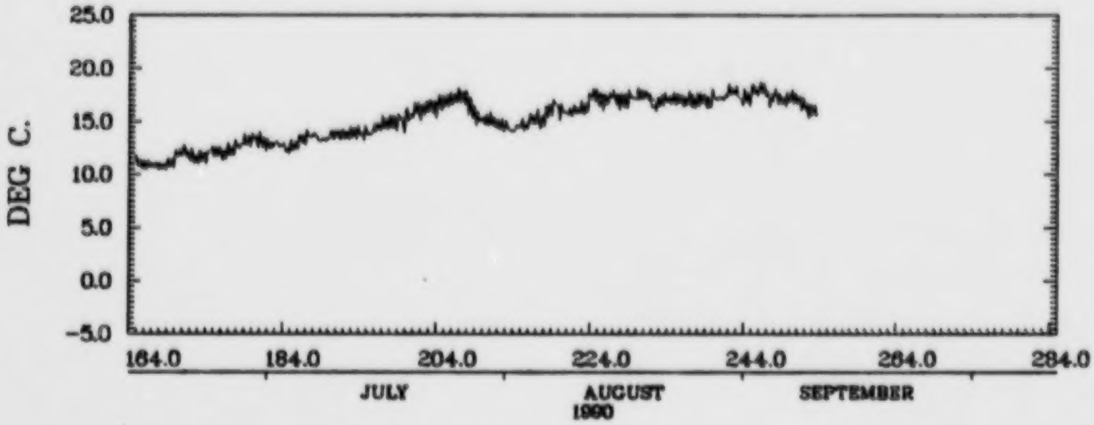
BOARD ISLANDS NS STA. 4XQ 443

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
13.0M.	12.0M.	43.73	65.86	13/ 6/ 90	10/ 9/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
164	11.8	11.8	7.8	229	17.3	943.6	679.6				
165	10.9	22.7	14.7	230	17.5	961.1	693.1				
166	10.8	33.5	21.5	231	17.2	978.2	706.2				
167	10.8	44.3	28.3	232	16.7	995.0	719.0				
168	10.9	55.2	35.2	233	17.1	1012.1	732.1				
169	11.2	66.4	42.4	234	17.1	1029.2	745.2				
170	12.0	78.4	50.4	235	17.0	1046.2	758.2				
171	11.9	90.3	58.3	236	17.0	1063.2	771.2				
172	11.6	101.9	65.9	237	16.9	1080.1	784.1				
173	11.8	113.7	73.7	238	17.0	1097.1	797.1				
174	12.1	125.8	81.8	239	17.0	1114.1	810.1				
175	12.0	137.9	89.9	240	17.2	1131.3	823.3				
176	12.1	150.0	98.0	241	17.5	1148.8	836.8				
177	12.5	162.4	106.4	242	17.8	1166.6	850.6				
178	12.9	175.3	115.3	243	17.3	1183.8	863.8				
179	13.1	188.4	124.4	244	17.3	1201.2	877.2				
180	13.3	201.7	133.7	245	17.9	1219.1	891.1				
181	12.9	214.6	142.6	246	18.0	1237.0	905.0				
182	12.7	227.3	151.3	247	17.2	1254.2	918.2				
183	12.8	240.1	160.1	248	17.3	1271.5	931.5				
184	12.4	252.6	168.6	249	17.1	1288.6	944.6				
185	12.7	265.2	177.2	250	17.3	1305.9	957.9				
186	13.3	278.5	186.5	251	16.7	1322.7	970.7				
187	13.7	292.3	196.3	252	16.0	1338.7	982.7				
188	13.4	305.7	205.7	253	16.0	1354.7	994.7				
189	13.3	319.0	215.0								
190	13.7	332.7	224.7								
191	13.7	346.4	234.4								
192	13.8	360.2	244.2								
193	14.0	374.2	254.2								
194	13.9	388.0	264.0								
195	14.1	402.1	274.1								
196	14.6	416.7	284.7								
197	14.7	431.4	295.4								
198	14.9	446.3	306.3								
199	15.2	461.4	317.4								
200	15.5	477.0	329.0								
201	16.0	492.9	340.9								
202	16.2	509.1	353.1								
203	16.4	525.5	365.5								
204	16.7	542.2	378.2								
205	17.0	559.2	391.2								
206	17.4	576.5	404.5								
207	17.3	593.8	417.8								
208	16.2	610.0	430.0								
209	15.2	625.2	441.2								
210	15.1	640.3	452.3								
211	14.8	655.1	463.1								
212	14.5	669.7	473.7								
213	14.3	683.9	483.9								
214	14.5	698.4	494.4								
215	14.6	713.1	505.1								
216	15.2	728.3	516.3								
217	15.0	743.3	527.3								
218	16.0	759.4	539.4								
219	16.4	775.8	551.8								
220	16.1	791.8	563.8								
221	16.0	807.8	575.8								
222	16.1	824.0	588.0								
223	16.6	840.5	600.5								
224	17.5	858.1	614.1								
225	17.0	875.1	627.1								
226	17.3	892.4	640.4								
227	16.9	909.3	653.3								
228	17.0	926.3	666.3								

STN 443 DEPTH 12M





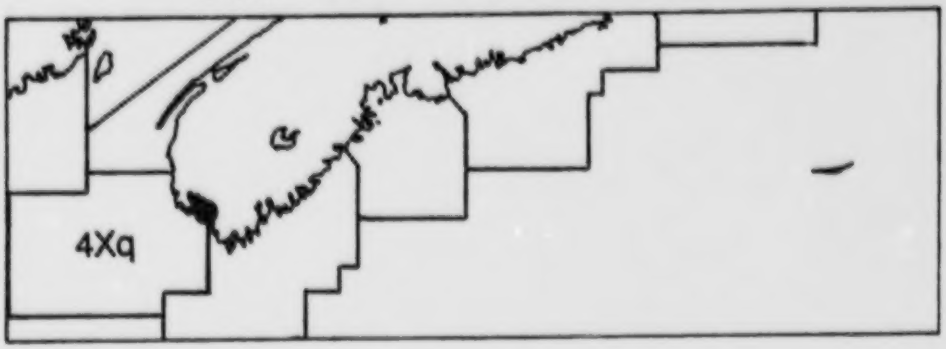
BOARD ISLANDS NS
43.73N 65.86W 2300Z 13/06/90 - 1100Z 10/09/90
INST. 63294

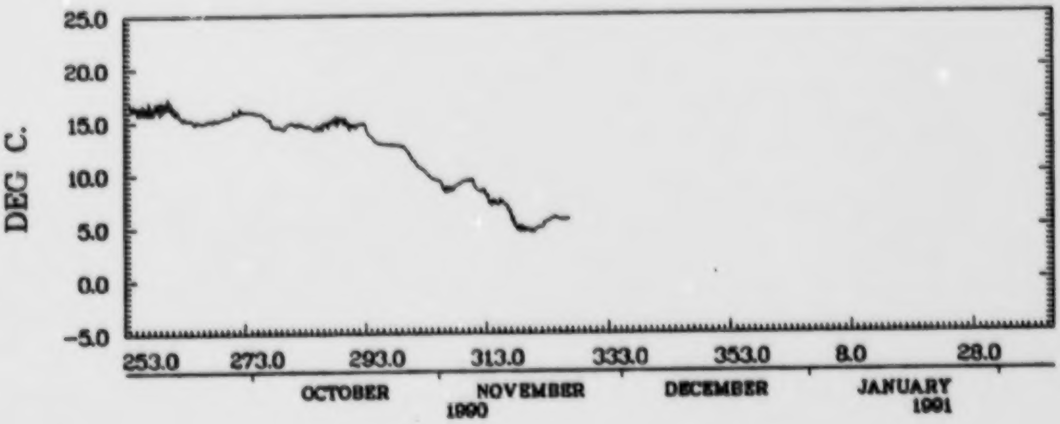
BOARD ISLANDS NS STA. 4XQ 444

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
11.0M.	11.0M.	43.74	65.86	10/ 9/ 90	22/11/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
253	16.8	16.8	12.8	318	4.9	866.8	602.8				
254	16.3	33.1	25.1	319	4.8	871.6	603.6				
255	16.0	49.1	37.1	320	4.6	876.2	604.2				
256	16.1	65.2	49.2	321	4.9	881.1	605.1				
257	16.2	81.4	61.4	322	5.3	886.4	606.4				
258	16.3	97.7	73.7	323	5.7	892.1	608.1				
259	16.5	114.3	86.3	324	5.9	897.9	609.9				
260	16.6	130.8	98.8	325	5.7	903.6	611.6				
261	15.9	146.8	110.8	326	5.7	909.4	613.4				
262	15.4	162.1	122.1								
263	15.2	177.3	133.3								
264	15.0	192.3	144.3								
265	14.9	207.3	155.3								
266	15.0	222.2	166.2								
267	15.1	237.3	177.3								
268	15.2	252.5	188.5								
269	15.3	267.8	199.8								
270	15.4	283.3	211.3								
271	15.8	299.1	223.1								
272	16.0	315.1	235.1								
273	16.0	331.0	247.0								
274	15.9	346.9	258.9								
275	15.8	362.6	270.6								
276	15.4	378.0	282.0								
277	14.8	392.8	292.8								
278	14.5	407.3	303.3								
279	14.4	421.7	313.7								
280	14.8	436.5	324.5								
281	14.7	451.2	335.2								
282	14.7	466.0	346.0								
283	14.5	480.5	356.5								
284	14.3	494.8	366.8								
285	14.4	509.3	377.3								
286	14.7	524.0	388.0								
287	15.0	539.0	399.0								
288	15.1	554.1	410.1								
289	15.0	569.1	421.1								
290	14.6	583.7	431.7								
291	14.6	598.3	442.3								
292	14.8	613.1	453.1								
293	13.9	627.1	463.1								
294	13.3	640.3	472.3								
295	12.9	653.2	481.2								
296	12.8	666.1	490.1								
297	12.8	678.8	498.8								
298	12.7	691.5	507.5								
299	12.5	704.0	516.0								
300	11.7	715.7	523.7								
301	10.9	726.7	530.7								
302	10.5	737.1	537.1								
303	9.9	747.0	543.0								
304	9.5	756.5	548.5								
305	9.1	765.6	553.6								
306	8.5	774.2	558.2								
307	8.7	782.9	562.9								
308	9.1	791.9	567.9								
309	9.4	801.3	573.3								
310	9.3	810.6	578.6								
311	8.6	819.2	583.2								
312	8.3	827.6	587.6								
313	7.5	835.1	591.1								
314	7.3	842.3	594.3								
315	7.4	849.7	597.7								
316	6.8	856.5	600.5								
317	5.5	861.9	601.9								

STN 444 DEPTH 11M





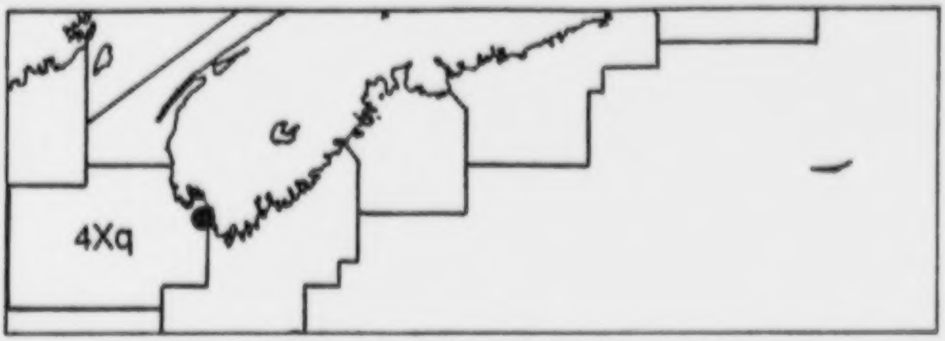
BOARD ISLANDS NS
43.73N 65.86W 2100Z 10/09/90 - 0900Z 22/11/90
INST. 60860

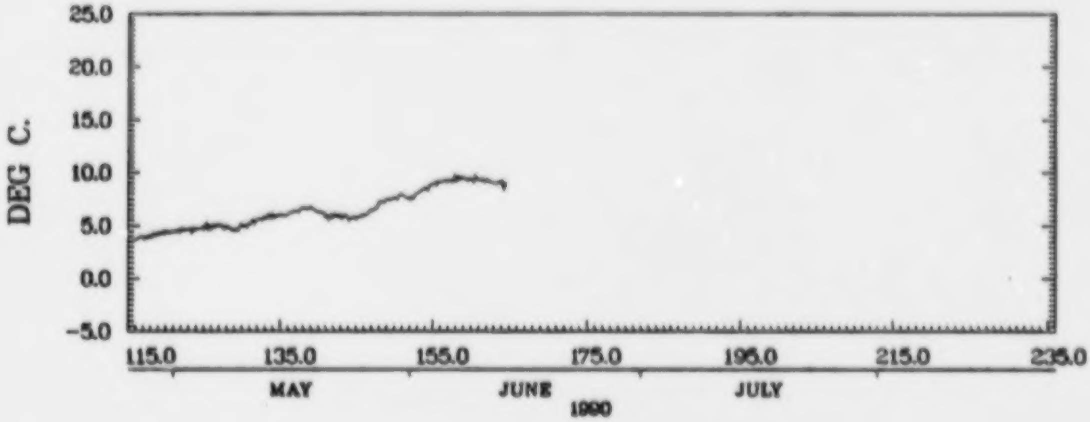
LOBSTER BAY NS (DFO HFX) STA. 4XQ 401

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
20.0M.	20.0M.	43.60	65.83	25/ 4/ 90	13/ 6/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
115	3.6	3.6	.0								
116	3.8	7.4	.0								
117	3.9	11.3	.0								
118	4.1	15.4	.1								
119	4.3	19.7	.4								
120	4.4	24.1	.8								
121	4.5	28.5	1.2								
122	4.6	33.2	1.9								
123	4.6	37.8	2.5								
124	4.8	42.5	3.2								
125	4.8	47.3	4.0								
126	5.0	52.3	5.0								
127	4.9	57.2	5.9								
128	4.8	62.0	6.7								
129	4.7	66.7	7.4								
130	5.0	71.7	8.4								
131	5.4	77.1	9.8								
132	5.6	82.7	11.4								
133	5.8	88.5	13.2								
134	5.9	94.4	15.1								
135	6.0	100.4	17.1								
136	6.2	106.6	19.3								
137	6.4	113.0	21.7								
138	6.6	119.7	24.4								
139	6.5	126.2	26.9								
140	6.2	132.4	29.0								
141	5.8	138.2	30.9								
142	6.0	144.2	32.9								
143	5.9	150.1	34.8								
144	5.7	155.7	36.4								
145	5.8	161.5	38.2								
146	6.1	167.7	40.4								
147	6.6	174.3	43.0								
148	7.3	181.6	46.3								
149	7.5	189.1	49.7								
150	7.7	196.8	53.5								
151	7.7	204.5	57.2								
152	7.7	212.2	60.9								
153	8.3	220.5	65.2								
154	8.6	229.2	69.9								
155	9.0	238.2	74.9								
156	9.2	247.4	80.1								
157	9.3	256.7	85.4								
158	9.4	266.1	90.8								
159	9.4	275.5	96.2								
160	9.3	284.8	101.5								
161	9.3	294.1	106.8								
162	9.2	303.3	111.9								
163	9.0	312.3	117.0								
164	8.9	321.1	121.8								

STN 401 DEPTH 20M





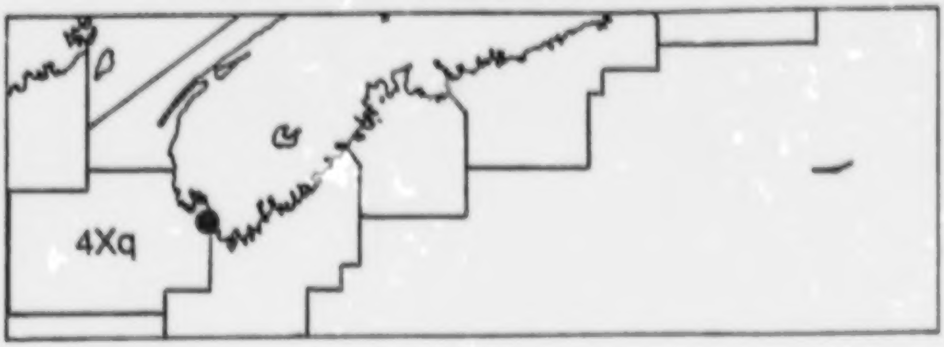
LOBSTER BAY NS (DFO HFX)
43.60N 65.83W 1200Z 25/04/90 - 1200Z 13/06/90
INST. 62592

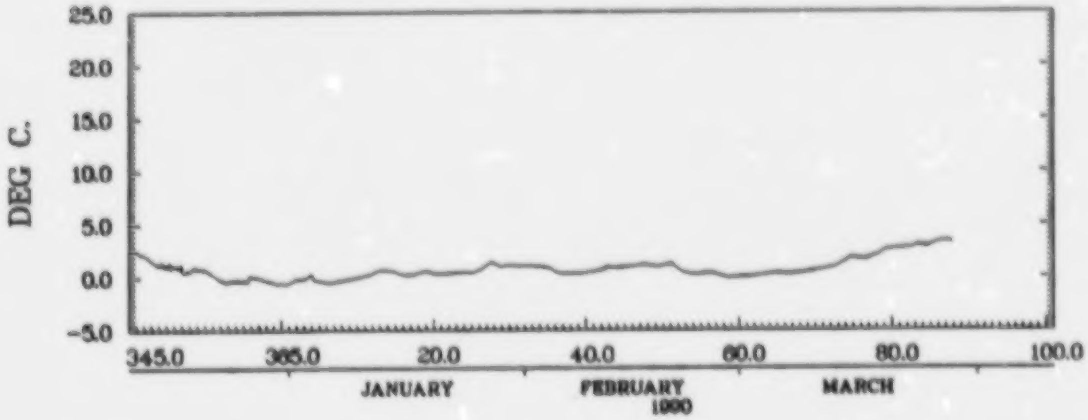
LOBSTER BAY NS (DFO HFX) STA. 4XQ 402

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
20.0M.	20.0M.	43.60	65.83	11/12/ 89	28/ 3/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
345	2.5	2.5	.0	45	1.0	36.9	.0				
346	2.3	4.8	.0	46	1.0	37.9	.0				
347	1.9	6.7	.0	47	1.1	39.0	.0				
348	1.4	8.0	.0	48	1.0	40.1	.0				
349	1.2	9.2	.0	49	1.0	41.1	.0				
350	1.1	10.3	.0	50	1.1	42.2	.0				
351	1.0	11.3	.0	51	1.0	43.2	.0				
352	.6	11.9	.0	52	.5	43.7	.0				
353	.8	12.7	.0	53	.3	44.0	.0				
354	.8	13.4	.0	54	.2	44.2	.0				
355	.5	14.0	.0	55	.3	44.6	.0				
356	.0	14.0	.0	56	.3	44.9	.0				
357	-.3	14.0	.0	57	.1	45.0	.0				
358	-.3	14.0	.0	58	-.1	45.0	.0				
359	-.3	14.0	.0	59	-.1	45.0	.0				
360	-.2	14.0	.0	60	.0	45.0	.0				
361	.0	14.0	.0	61	.0	45.1	.0				
362	-.2	14.0	.0	62	.1	45.2	.0				
363	-.4	14.0	.0	63	.2	45.4	.0				
364	-.5	14.0	.0	64	.3	45.7	.0				
365	-.6	14.0	.0	65	.3	46.0	.0				
1	-.3	14.0	.0	66	.3	46.3	.0				
2	-.2	14.0	.0	67	.3	46.6	.0				
3	.1	14.1	.0	68	.4	47.0	.0				
4	-.2	14.1	.0	69	.5	47.5	.0				
5	-.4	14.1	.0	70	.6	48.1	.0				
6	-.5	14.1	.0	71	.8	48.9	.0				
7	-.3	14.1	.0	72	.9	49.8	.0				
8	-.2	14.1	.0	73	1.3	51.1	.0				
9	-.1	14.1	.0	74	1.7	52.8	.0				
10	.1	14.2	.0	75	1.7	54.5	.0				
11	.2	14.4	.0	76	1.7	56.2	.0				
12	.5	14.9	.0	77	1.9	58.1	.0				
13	.7	15.6	.0	78	2.2	60.3	.0				
14	.6	16.2	.0	79	2.6	62.9	.0				
15	.4	16.6	.0	80	2.7	65.6	.0				
16	.2	16.8	.0	81	2.7	68.3	.0				
17	.3	17.1	.0	82	2.8	71.1	.0				
18	.5	17.6	.0	83	3.0	74.1	.0				
19	.5	18.0	.0	84	2.9	77.0	.0				
20	.3	18.4	.0	85	3.2	80.1	.0				
21	.3	18.7	.0	86	3.3	83.5	.0				
22	.4	19.1	.0	87	3.4	86.8	.0				
23	.5	19.6	.0								
24	.5	20.0	.0								
25	.5	20.6	.0								
26	.9	21.5	.0								
27	1.3	22.8	.0								
28	1.1	23.9	.0								
29	1.1	25.0	.0								
30	1.1	26.1	.0								
31	1.1	27.1	.0								
32	1.1	28.2	.0								
33	1.0	29.2	.0								
34	1.0	30.2	.0								
35	.8	30.9	.0								
36	.4	31.3	.0								
37	.3	31.6	.0								
38	.3	31.9	.0								
39	.3	32.3	.0								
40	.4	32.7	.0								
41	.6	33.3	.0								
42	.8	34.1	.0								
43	.9	35.0	.0								
44	.9	35.9	.0								

STN 402 DEPTH 20M





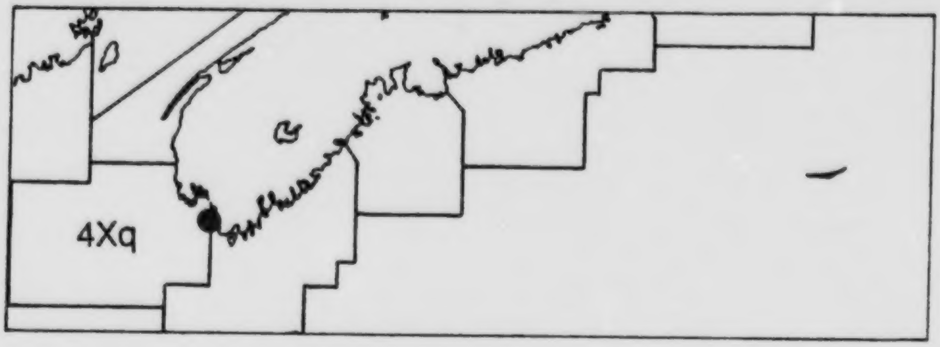
LOBSTER BAY NS (DFO HFX)
43.60N 65.83W 1300Z 11/12/89 - 1700Z 28/03/90
INST. 63281

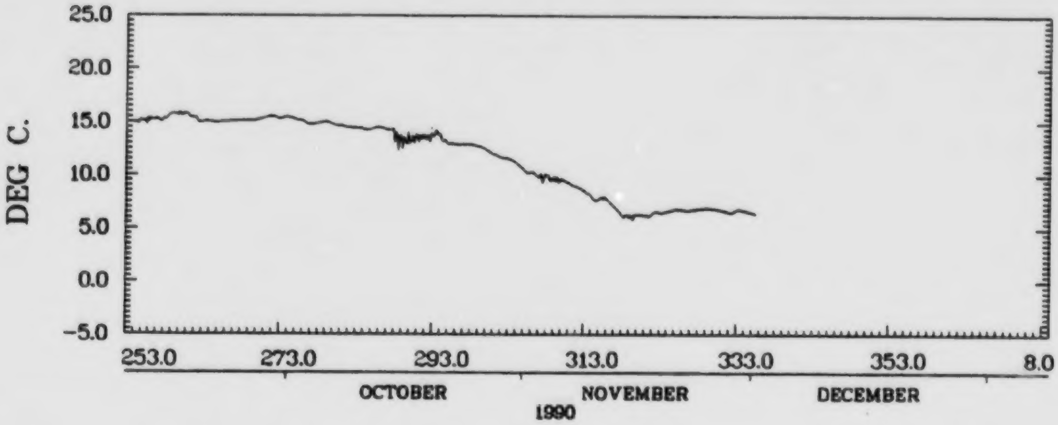
PUBNICO PT NS STA. 4XQ 447

WATER DEPTH 20.0M. INST DEPTH 20.0M. LATITUDE 43.60 LONGITUDE 65.83 FROM 10/ 9/ 90 TO 1/12/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
253	15.0	15.0	11.0	318	6.2	862.1	598.1				
254	15.0	30.0	22.0	319	6.2	868.3	600.3				
255	15.1	45.1	33.1	320	6.3	874.5	602.5				
256	15.3	60.4	44.4	321	6.2	880.8	604.8				
257	15.2	75.6	55.6	322	6.5	887.3	607.3				
258	15.5	91.1	67.1	323	6.5	893.9	609.9				
259	15.8	106.9	78.9	324	6.7	900.6	612.6				
260	15.7	122.6	90.6	325	6.8	907.4	615.4				
261	15.5	138.1	102.1	326	6.7	914.1	618.1				
262	15.0	153.1	113.1	327	6.8	920.9	620.9				
263	15.0	168.2	124.2	328	6.9	927.8	623.8				
264	15.0	183.1	135.1	329	6.9	934.7	626.7				
265	15.0	198.1	146.1	330	6.8	941.5	629.5				
266	15.0	213.1	157.1	331	6.6	948.1	632.1				
267	15.1	228.2	168.2	332	6.6	954.7	634.7				
268	15.1	243.3	179.3	333	6.8	961.5	637.5				
269	15.1	258.4	190.4	334	6.6	968.1	640.1				
270	15.3	273.7	201.7	335	6.4	974.5	642.5				
271	15.5	289.2	213.2								
272	15.4	304.6	224.6								
273	15.4	320.0	236.0								
274	15.3	335.3	247.3								
275	15.1	350.4	258.4								
276	14.9	365.3	269.3								
277	14.8	380.1	280.1								
278	15.0	395.1	291.1								
279	14.9	409.9	301.9								
280	14.7	424.6	312.6								
281	14.5	439.2	323.2								
282	14.4	453.6	333.6								
283	14.4	468.0	344.0								
284	14.3	482.3	354.3								
285	14.4	496.7	364.7								
286	14.4	511.1	375.1								
287	14.1	525.2	385.2								
288	13.3	538.5	394.5								
289	13.3	551.8	403.8								
290	13.5	565.3	413.3								
291	13.6	578.8	422.8								
292	13.5	592.4	432.4								
293	13.9	606.3	442.3								
294	13.1	619.4	451.4								
295	12.9	632.4	460.4								
296	12.9	645.2	469.2								
297	12.9	658.1	478.1								
298	12.8	670.9	486.9								
299	12.6	683.5	495.5								
300	12.2	695.7	503.7								
301	11.8	707.4	511.4								
302	11.6	719.0	519.0								
303	11.4	730.4	526.4								
304	10.8	741.2	533.2								
305	10.3	751.5	539.5								
306	10.1	761.6	545.6								
307	9.8	771.4	551.4								
308	9.7	781.1	557.1								
309	9.6	790.7	562.7								
310	9.4	800.1	568.1								
311	9.1	809.2	573.2								
312	8.8	817.9	577.9								
313	8.3	826.2	582.2								
314	7.7	834.0	586.0								
315	7.9	841.8	589.8								
316	7.4	849.2	593.2								
317	6.7	855.9	595.9								

STN 447 DEPTH 20M





PUBNICO PT NS
43.60N 65.83W 2300Z 10/09/90 - 1100Z 01/12/90
INST. 63294

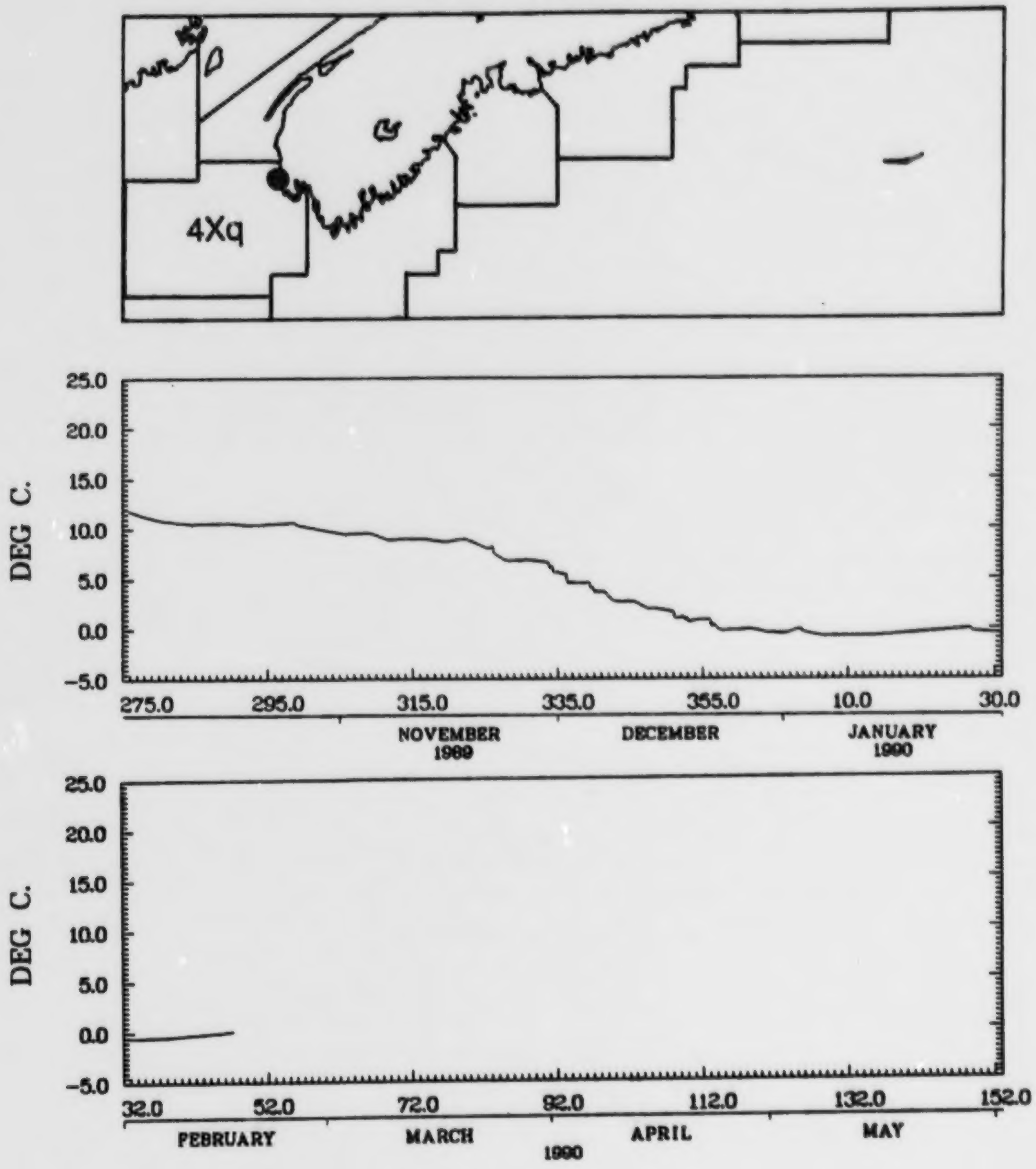
SANDFORD NS

STA. 4XQ 425

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
30.0M.	28.0M.	43.93	66.18	2/10/ 89	16/ 2/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
275	11.8	11.8	7.8	340	3.6	594.1	330.5	40	-.3	623.4	330.5
276	11.7	23.5	15.5	341	3.6	597.7	330.5	41	-.3	623.4	330.5
277	11.4	35.0	23.0	342	2.9	600.6	330.5	42	-.2	623.4	330.5
278	11.2	46.2	30.2	343	2.6	603.3	330.5	43	-.2	623.4	330.5
279	11.0	57.2	37.2	344	2.7	605.9	330.5	44	-.1	623.4	330.5
280	10.8	68.0	44.0	345	2.7	608.6	330.5	45	-.1	623.4	330.5
281	10.7	78.8	50.8	346	2.4	610.9	330.5	46	.0	623.4	330.5
282	10.7	89.4	57.4	347	2.0	613.0	330.5	47	.1	623.5	330.5
283	10.6	100.0	64.0	348	2.0	614.9	330.5				
284	10.5	110.6	70.6	349	1.8	616.8	330.5				
285	10.5	121.1	77.1	350	1.7	618.5	330.5				
286	10.6	131.7	83.7	351	1.1	619.6	330.5				
287	10.6	142.2	90.2	352	1.0	620.6	330.5				
288	10.6	152.8	96.8	353	.7	621.3	330.5				
289	10.6	163.4	103.4	354	.9	622.2	330.5				
290	10.5	173.9	109.9	355	.9	623.1	330.5				
291	10.5	184.4	116.4	356	.4	623.4	330.5				
292	10.4	194.8	122.8	357	-.2	623.4	330.5				
293	10.4	205.3	129.3	358	-.2	623.4	330.5				
294	10.5	215.8	135.8	359	-.2	623.4	330.5				
295	10.5	226.3	142.3	360	-.1	623.4	330.5				
296	10.5	236.8	148.8	361	-.1	623.4	330.5				
297	10.6	247.4	155.4	362	-.2	623.4	330.5				
298	10.6	258.0	162.0	363	-.4	623.4	330.5				
299	10.3	268.3	168.3	364	-.5	623.4	330.5				
300	10.2	278.5	174.5	365	-.5	623.4	330.5				
301	10.1	288.6	180.6	1	-.5	623.4	330.5				
302	9.9	298.5	186.5	2	-.3	623.4	330.5				
303	9.8	308.3	192.3	3	-.2	623.4	330.5				
304	9.6	318.0	198.0	4	-.5	623.4	330.5				
305	9.5	327.5	203.5	5	-.6	623.4	330.5				
306	9.5	337.0	209.0	6	-.8	623.4	330.5				
307	9.5	346.5	214.5	7	-.8	623.4	330.5				
308	9.6	356.0	220.0	8	-.8	623.4	330.5				
309	9.5	365.5	225.5	9	-.8	623.4	330.5				
310	9.2	374.7	230.7	10	-.8	623.4	330.5				
311	8.9	383.7	235.7	11	-.8	623.4	330.5				
312	8.9	392.6	240.6	12	-.8	623.4	330.5				
313	9.0	401.5	245.5	13	-.7	623.4	330.5				
314	9.0	410.5	250.5	14	-.7	623.4	330.5				
315	9.0	419.5	255.5	15	-.7	623.4	330.5				
316	9.0	428.5	260.5	16	-.6	623.4	330.5				
317	8.9	437.3	265.3	17	-.6	623.4	330.5				
318	8.8	446.1	270.1	18	-.5	623.4	330.5				
319	8.7	454.8	274.8	19	-.5	623.4	330.5				
320	8.8	463.6	279.6	20	-.4	623.4	330.5				
321	8.9	472.5	284.5	21	-.3	623.4	330.5				
322	8.9	481.3	289.3	22	-.3	623.4	330.5				
323	8.6	489.9	293.9	23	-.2	623.4	330.5				
324	8.3	498.2	298.2	24	-.2	623.4	330.5				
325	8.0	506.2	302.2	25	-.1	623.4	330.5				
326	7.5	513.7	305.7	26	-.1	623.4	330.5				
327	7.0	520.7	308.7	27	-.4	623.4	330.5				
328	6.8	527.5	311.5	28	-.4	623.4	330.5				
329	6.8	534.3	314.3	29	-.5	623.4	330.5				
330	6.8	541.1	317.1	30	-.5	623.4	330.5				
331	6.8	547.9	319.9	31	-.6	623.4	330.5				
332	6.7	554.6	322.6	32	-.6	623.4	330.5				
333	6.5	561.1	325.1	33	-.5	623.4	330.5				
334	5.8	566.9	326.9	34	-.5	623.4	330.5				
335	5.5	572.4	328.4	35	-.5	623.4	330.5				
336	4.8	577.2	329.2	36	-.5	623.4	330.5				
337	4.5	581.7	329.7	37	-.5	623.4	330.5				
338	4.5	586.2	330.2	38	-.4	623.4	330.5				
339	4.3	590.5	330.5	39	-.4	623.4	330.5				

STN 425 DEPTH 28M



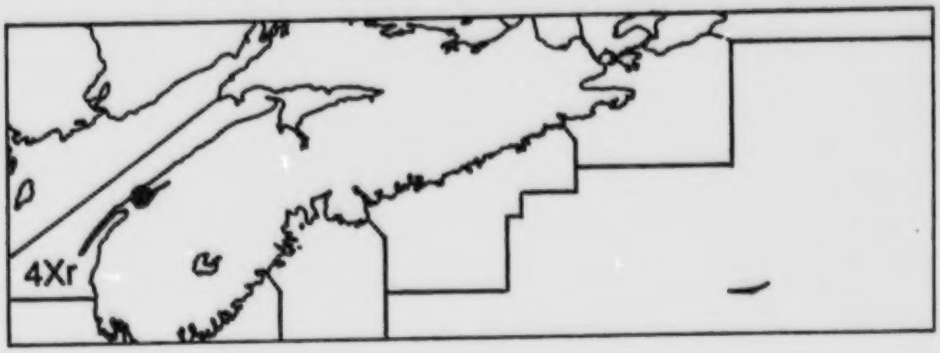
SANDFORD NS
43.93N 66.18W 2000Z 02/10/89 - 0400Z 16/02/90
INST. 63325

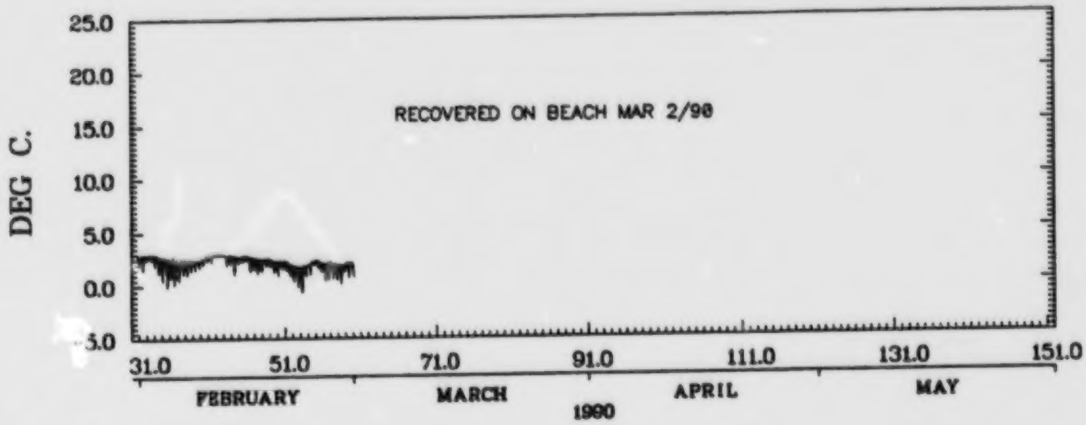
ANNAPOLIS BASIN NS STA. 4XR 454

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
11.0M.	3.0M.	44.65	65.74	31/ 1/ 90	1/ 3/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
31	2.7	2.7	.0								
32	2.6	5.2	.0								
33	2.8	8.0	.0								
34	2.3	10.3	.0								
35	1.9	12.2	.0								
36	1.7	13.8	.0								
37	1.9	15.7	.0								
38	2.0	17.7	.0								
39	2.2	19.9	.0								
40	2.5	22.4	.0								
41	2.8	25.2	.0								
42	2.9	28.2	.0								
43	2.6	30.8	.0								
44	2.4	33.2	.0								
45	2.6	35.8	.0								
46	2.3	38.1	.0								
47	2.1	40.2	.0								
48	2.2	42.4	.0								
49	2.0	44.4	.0								
50	1.9	46.3	.0								
51	1.7	48.0	.0								
52	1.1	49.1	.0								
53	1.2	50.3	.0								
54	2.0	52.2	.0								
55	1.9	54.2	.0								
56	1.5	55.6	.0								
57	1.5	57.2	.0								
58	1.5	58.7	.0								
59	1.8	60.5	.0								
60	1.1	61.6	.0								

STN 454 DEPTH 3M





ANNAPOLIS BASIN NS
44.65N 65.74W 2000Z 31/01/90 - 0400Z 01/03/90
INST. 4396

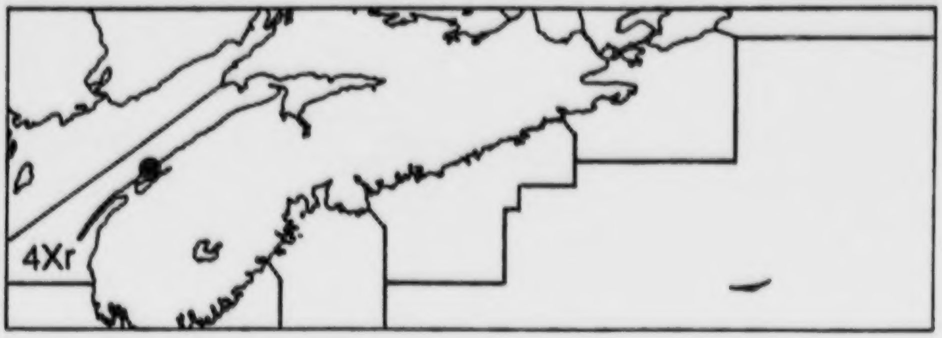
DELAPS COVE NS

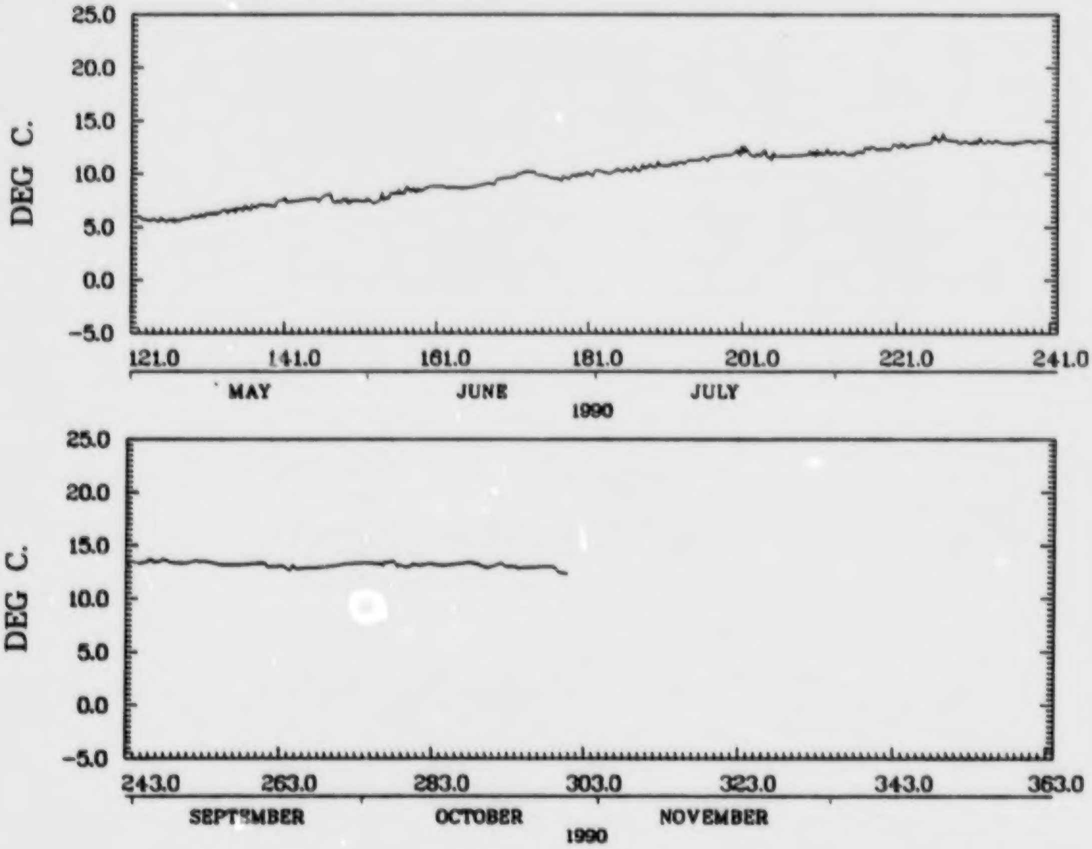
STA. 4XR 449

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
50.0M.	45.0M.	44.78	65.63	1/ 5/ 90	27/10/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
121	6.0	6.0	2.0	186	10.4	531.6	267.6	251	13.5	1335.3	811.3
122	5.8	11.8	3.8	187	10.4	541.9	273.9	252	13.5	1348.8	820.8
123	5.7	17.4	5.4	188	10.7	552.6	280.6	253	13.5	1362.3	830.3
124	5.6	23.1	7.1	189	10.7	563.3	287.3	254	13.3	1375.6	839.6
125	5.6	28.7	8.7	190	10.8	574.1	294.1	255	13.2	1388.9	848.9
126	5.6	34.3	10.3	191	10.8	585.0	301.0	256	13.2	1402.1	858.1
127	5.7	40.0	12.0	192	11.0	596.0	308.0	257	13.2	1415.3	867.3
128	5.8	45.8	13.8	193	11.1	607.1	315.1	258	13.2	1428.5	876.5
129	6.0	51.8	15.8	194	11.3	618.3	322.3	259	13.3	1441.8	885.8
130	6.1	57.9	17.9	195	11.3	629.7	329.7	260	13.3	1455.2	895.2
131	6.2	64.2	20.2	196	11.4	641.1	337.1	261	13.1	1468.3	904.3
132	6.4	70.5	22.5	197	11.7	652.7	344.7	262	13.0	1481.3	913.3
133	6.5	77.0	25.0	198	11.7	664.5	352.5	263	13.0	1494.3	922.3
134	6.6	83.6	27.6	199	11.8	676.3	360.3	264	12.9	1507.2	931.2
135	6.7	90.3	30.3	200	12.1	688.4	368.4	265	12.8	1520.0	940.0
136	6.8	97.2	33.2	201	12.2	700.6	376.6	266	12.9	1533.0	949.0
137	7.0	104.1	36.1	202	11.7	712.3	384.3	267	12.9	1545.9	957.9
138	7.0	111.2	39.2	203	11.9	724.2	392.2	268	13.0	1558.9	966.9
139	7.0	118.2	42.2	204	11.6	735.8	399.8	269	13.1	1571.9	975.9
140	7.5	125.7	45.7	205	11.7	747.6	407.6	270	13.1	1585.1	985.1
141	7.4	133.1	49.1	206	11.7	759.3	415.3	271	13.3	1598.3	994.3
142	7.4	140.5	52.5	207	11.7	770.9	422.9	272	13.3	1611.6	1003.6
143	7.5	148.0	56.0	208	11.7	782.7	430.7	273	13.4	1625.0	1013.0
144	7.6	155.6	59.6	209	11.9	794.5	438.5	274	13.4	1638.4	1022.4
145	7.6	163.2	63.2	210	11.9	806.4	446.4	275	13.3	1651.7	1031.7
146	8.0	171.2	67.2	211	12.0	818.4	454.4	276	13.3	1665.0	1041.0
147	7.5	178.7	70.7	212	12.0	830.4	462.4	277	13.5	1678.5	1050.5
148	7.5	186.1	74.1	213	11.9	842.3	470.3	278	13.2	1691.7	1059.7
149	7.4	193.6	77.6	214	11.9	854.2	478.2	279	13.0	1704.7	1068.7
150	7.5	201.0	81.0	215	11.9	866.1	486.1	280	13.2	1717.9	1077.9
151	7.5	208.5	84.5	216	12.1	878.3	494.3	281	13.2	1731.1	1087.1
152	7.4	215.8	87.8	217	12.5	890.7	502.7	282	13.3	1744.3	1096.3
153	7.6	223.5	91.5	218	12.3	903.0	511.0	283	13.2	1757.6	1105.6
154	7.7	231.2	95.2	219	12.3	915.4	519.4	284	13.1	1770.7	1114.7
155	8.1	239.3	99.3	220	12.6	927.9	527.9	285	13.2	1783.9	1123.9
156	8.2	247.6	103.6	221	12.6	940.6	536.6	286	13.3	1797.2	1133.2
157	8.5	256.1	108.1	222	12.6	953.2	545.2	287	13.4	1810.6	1142.6
158	8.4	264.5	112.5	223	12.8	965.9	553.9	288	13.3	1824.0	1152.0
159	8.6	273.1	117.1	224	12.8	978.8	562.8	289	13.1	1837.1	1161.1
160	8.8	281.9	121.9	225	13.0	991.8	571.8	290	13.0	1850.1	1170.1
161	8.8	290.7	126.7	226	13.3	1005.2	581.2	291	13.2	1863.2	1179.2
162	8.7	299.4	131.4	227	13.4	1018.5	590.5	292	13.2	1876.4	1188.4
163	8.7	308.1	136.1	228	13.1	1031.7	599.7	293	13.0	1889.4	1197.4
164	8.7	316.7	140.7	229	13.0	1044.7	608.7	294	12.9	1902.4	1206.4
165	8.7	325.5	145.5	230	13.0	1057.7	617.7	295	13.0	1915.3	1215.3
166	8.9	334.3	150.3	231	13.1	1070.8	626.8	296	13.0	1928.3	1224.3
167	9.1	343.4	155.4	232	13.0	1083.8	635.8	297	13.0	1941.3	1233.3
168	9.1	352.5	160.5	233	13.1	1096.9	644.9	298	13.0	1954.4	1242.4
169	9.5	362.1	166.1	234	13.1	1109.9	653.9	299	12.7	1967.1	1251.1
170	9.6	371.7	171.7	235	13.0	1122.9	662.9	300	12.4	1979.5	1259.5
171	9.8	381.6	177.6	236	12.9	1135.8	671.8				
172	10.1	391.7	183.7	237	13.1	1148.8	680.8				
173	10.2	401.9	189.9	238	13.1	1161.9	689.9				
174	9.9	411.7	195.7	239	13.1	1175.0	699.0				
175	9.7	421.5	201.5	240	13.1	1188.1	708.1				
176	9.6	431.0	207.0	241	13.0	1201.1	717.1				
177	9.6	440.6	212.6	242	13.1	1214.2	726.2				
178	9.7	450.3	218.3	243	13.3	1227.6	735.6				
179	9.9	460.2	224.2	244	13.4	1241.0	745.0				
180	10.0	470.2	230.2	245	13.4	1254.4	754.4				
181	10.0	480.2	236.2	246	13.6	1268.0	764.0				
182	10.3	490.4	242.4	247	13.6	1281.6	773.6				
183	10.1	500.5	248.5	248	13.5	1295.1	783.1				
184	10.3	510.8	254.8	249	13.4	1308.5	792.5				
185	10.3	521.1	261.1	250	13.3	1321.8	801.8				

STN 449 DEPTH 45M





DELAPS COVE NS
44.78N 65.63W 1200Z 01/05/90 - 1600Z 27/10/90
INST. 63370

BRANDY COVE NB

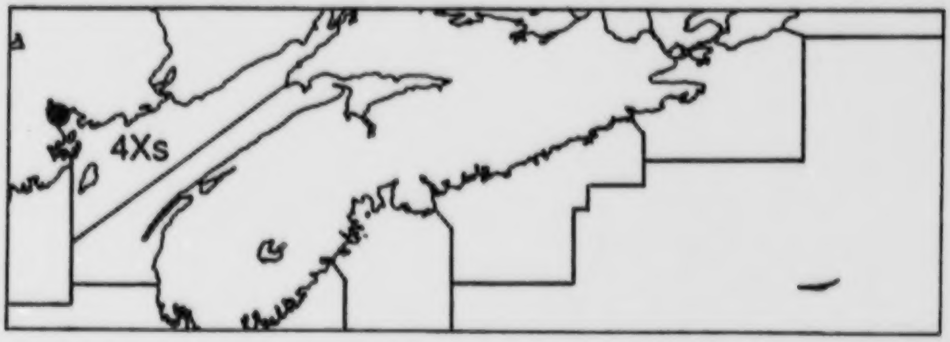
STA. 4XS 405

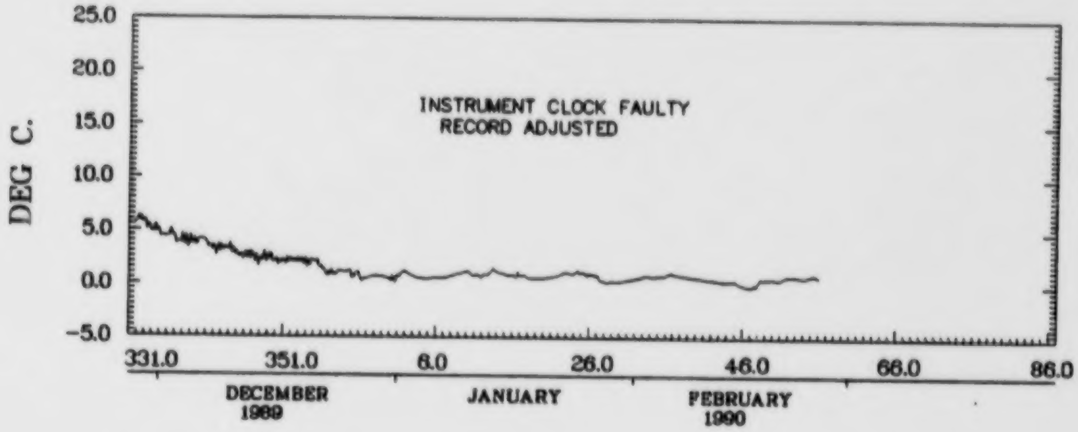
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
12.0M.	10.0M.	45.08	67.09	27/11/ 89	24/ 2/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
331	5.7	5.7	1.7
332	6.0	11.6	3.6
333	5.3	16.9	4.9
334	5.1	22.0	6.0
335	4.4	26.5	6.5
336	4.6	31.0	7.0
337	4.0	35.0	7.0
338	3.9	38.9	7.0
339	3.8	42.8	7.0
340	4.1	46.9	7.2
341	3.5	50.4	7.2
342	3.2	53.6	7.2
343	3.3	56.9	7.2
344	3.1	60.0	7.2
345	2.6	62.6	7.2
346	2.7	65.3	7.2
347	2.3	67.6	7.2
348	2.5	70.1	7.2
349	2.3	72.4	7.2
350	2.1	74.5	7.2
351	2.2	76.7	7.2
352	2.2	78.9	7.2
353	2.1	81.0	7.2
354	2.0	83.0	7.2
355	1.9	84.9	7.2
356	1.1	86.0	7.2
357	1.0	87.0	7.2
358	1.2	88.2	7.2
359	1.1	89.3	7.2
360	.9	90.2	7.2
361	.5	90.7	7.2
362	.7	91.4	7.2
363	.7	92.1	7.2
364	.6	92.7	7.2
365	.6	93.2	7.2
1	1.0	94.2	7.2
2	1.0	95.2	7.2
3	.6	95.8	7.2
4	.5	96.3	7.2
5	.6	96.9	7.2
6	.6	97.5	7.2
7	.7	98.2	7.2
8	.9	99.1	7.2
9	1.1	100.2	7.2
10	1.0	101.2	7.2
11	.8	102.0	7.2
12	1.0	103.0	7.2
13	1.3	104.3	7.2
14	1.1	105.4	7.2
15	.9	106.3	7.2
16	.9	107.2	7.2
17	.8	107.9	7.2
18	.6	108.5	7.2
19	.6	109.1	7.2
20	.7	109.8	7.2
21	.8	110.6	7.2
22	1.1	111.7	7.2
23	1.1	112.8	7.2
24	1.2	114.0	7.2
25	1.0	115.0	7.2
26	1.0	115.9	7.2
27	.5	116.4	7.2
28	.3	116.7	7.2
29	.3	117.0	7.2
30	.4	117.4	7.2
31	.5	117.9	7.2
32	.7	118.6	7.2
33	.8	119.4	7.2
34	.8	120.2	7.2
35	.8	121.1	7.2
36	1.1	122.1	7.2
37	.9	123.1	7.2
38	.8	123.9	7.2
39	.7	124.6	7.2
40	.6	125.3	7.2
41	.5	125.8	7.2
42	.4	126.2	7.2
43	.3	126.6	7.2
44	.4	126.9	7.2
45	.2	127.1	7.2
46	-.1	127.1	7.2
47	.0	127.1	7.2
48	.5	127.6	7.2
49	.6	128.2	7.2
50	.5	128.7	7.2
51	.7	129.5	7.2
52	.8	130.3	7.2
53	.8	131.0	7.2
54	.8	131.8	7.2
55	.9	132.7	7.2

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)

STN 405 DEPTH 10M





BRANDY COVE NB
45.08N 67.09W 1924Z 27/11/89 - 2324Z 24/02/90
INST. 63314

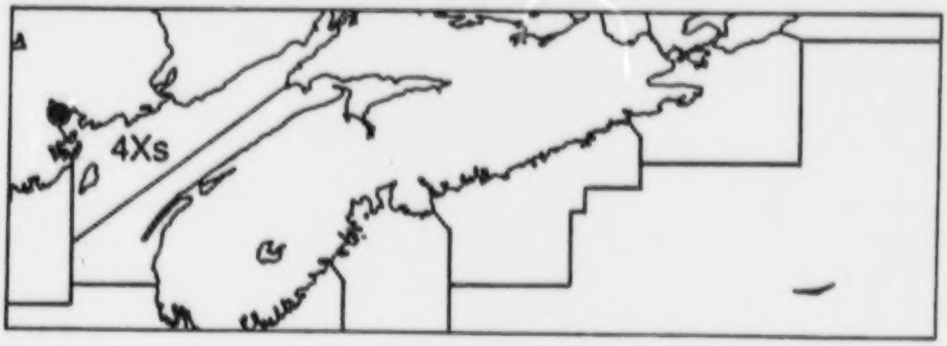
BRANDY COVE NB

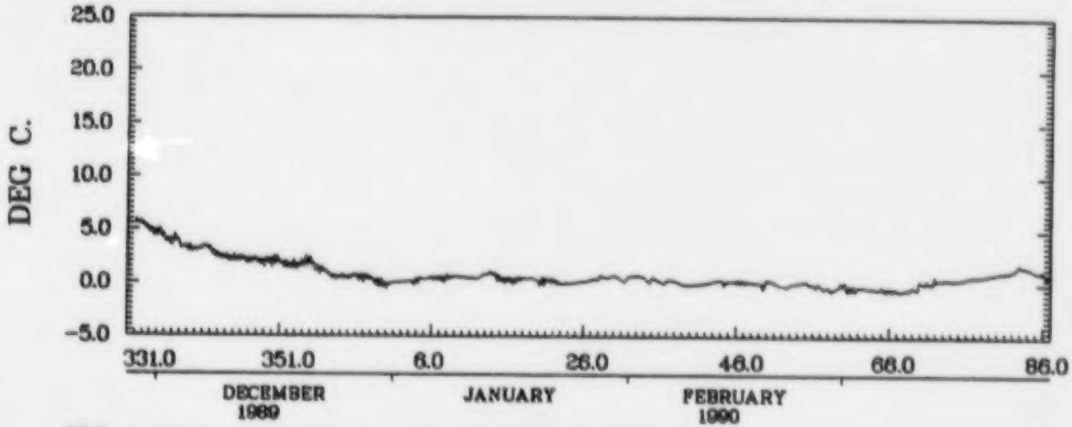
STA. 4XS 406

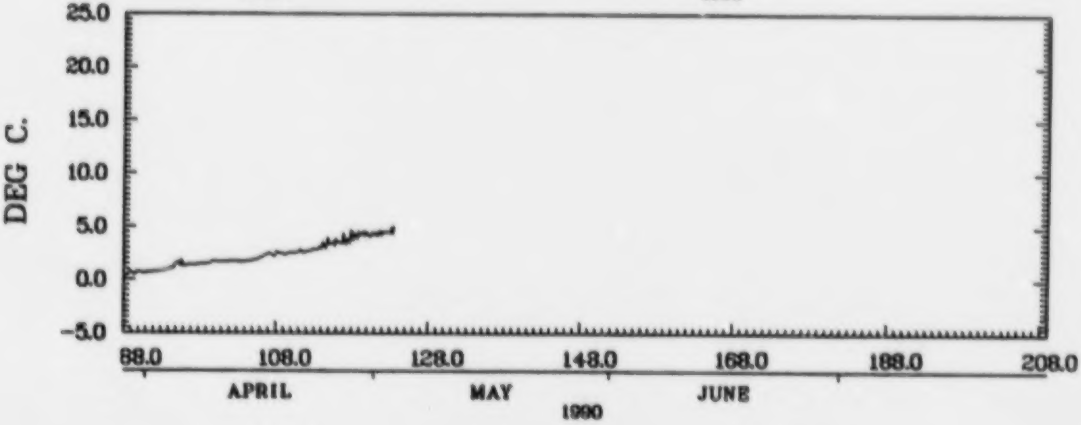
WATER DEPTH 12.0M.
INST DEPTH 4.0M.
LATITUDE 45.08
LONGITUDE 67.09
FROM 27/11/ 89
TO 3/ 5/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
331	5.5	5.5	1.5
332	5.6	11.2	3.2
333	5.3	16.4	4.4
334	4.8	21.2	5.2
335	4.6	25.8	5.8
336	3.9	29.7	5.8
337	4.0	33.7	5.8
338	3.4	37.0	5.8
339	3.1	40.1	5.8
340	3.1	43.2	5.8
341	3.3	46.5	5.8
342	2.8	49.3	5.8
343	2.4	51.7	5.8
344	2.3	54.0	5.8
345	2.3	56.3	5.8
346	2.1	58.4	5.8
347	2.1	60.5	5.8
348	2.0	62.6	5.8
349	2.0	64.6	5.8
350	2.0	66.6	5.8
351	1.8	68.4	5.8
352	1.6	70.0	5.8
353	1.7	71.6	5.8
354	1.9	73.5	5.8
355	1.7	75.2	5.8
356	1.2	76.5	5.8
357	.8	77.3	5.8
358	.6	77.8	5.8
359	.6	78.4	5.8
360	.6	79.0	5.8
361	.6	79.6	5.8
362	.5	80.0	5.8
363	.2	80.2	5.8
364	-.1	80.2	5.8
365	-.1	80.2	5.8
1	.1	80.3	5.8
2	.1	80.4	5.8
3	.1	80.5	5.8
4	.3	80.8	5.8
5	.4	81.3	5.8
6	.4	81.7	5.8
7	.4	82.1	5.8
8	.6	82.7	5.8
9	.6	83.3	5.8
10	.5	83.8	5.8
11	.5	84.3	5.8
12	.7	84.9	5.8
13	.9	85.8	5.8
14	.7	86.5	5.8
15	.3	86.8	5.8
16	.3	87.1	5.8
17	.4	87.5	5.8
18	.5	87.9	5.8
19	.4	88.3	5.8
20	.1	88.5	5.8
21	.3	88.7	5.8
22	.1	88.9	5.8
23	.0	88.9	5.8
24	.0	88.9	5.8
25	.1	89.0	5.8
26	.2	89.2	5.8
27	.4	89.6	5.8
28	.6	90.2	5.8
29	.6	90.8	5.8
30	.6	91.4	5.8
31	.3	91.7	5.8
32	.7	92.4	5.8
33	.7	93.1	5.8
34	.3	93.4	5.8
35	.4	93.9	5.8
36	.1	94.0	5.8
37	.3	94.3	5.8
38	.1	94.4	5.8
39	-.1	94.4	5.8
40	-.1	94.4	5.8
41	.0	94.4	5.8
42	.1	94.5	5.8
43	.3	94.8	5.8
44	.2	95.0	5.8
45	.2	95.2	5.8
46	.2	95.4	5.8
47	.1	95.6	5.8
48	.1	95.6	5.8
49	.0	95.6	5.8
50	.3	95.9	5.8
51	.0	95.9	5.8
52	-.2	95.9	5.8
53	.0	95.9	5.8
54	.1	96.1	5.8
55	.0	96.1	5.8
56	-.1	96.1	5.8
57	-.4	96.1	5.8
58	-.5	96.1	5.8
59	-.2	96.1	5.8
60	-.3	96.1	5.8
61	-.4	96.1	5.8
62	-.3	96.1	5.8
63	-.4	96.1	5.8
64	-.4	96.1	5.8
65	-.5	96.1	5.8
66	-.5	96.1	5.8
67	-.6	96.1	5.8
68	-.5	96.1	5.8
69	-.3	96.1	5.8
70	.2	96.3	5.8
71	.2	96.5	5.8
72	.4	96.8	5.8
73	.4	97.3	5.8
74	.4	97.7	5.8
75	.5	98.1	5.8
76	.6	98.8	5.8
77	.7	99.5	5.8
78	.8	100.3	5.8
79	.9	101.3	5.8
80	1.1	102.3	5.8
81	1.1	103.5	5.8
82	1.5	105.0	5.8
83	1.6	106.6	5.8
84	1.4	108.0	5.8
85	1.2	109.2	5.8
86	.8	110.0	5.8
87	.6	110.7	5.8
88	.5	111.2	5.8
89	.6	111.8	5.8
90	.7	112.4	5.8
91	.7	113.1	5.8
92	.8	113.9	5.8
93	.9	114.8	5.8
94	1.1	115.9	5.8
95	1.5	117.4	5.8
96	1.3	118.8	5.8
97	1.4	120.2	5.8
98	1.5	121.6	5.8
99	1.6	123.2	5.8
100	1.7	124.9	5.8
101	1.7	126.6	5.8
102	1.7	128.3	5.8
103	1.7	130.0	5.8
104	1.7	131.7	5.8
105	1.9	133.6	5.8
106	2.2	135.9	5.8
107	2.4	138.3	5.8
108	2.6	140.8	5.8
109	2.4	143.3	5.8
110	2.6	145.8	5.8
111	2.7	148.5	5.8
112	2.7	151.2	5.8
113	3.0	154.2	5.8
114	3.3	157.5	5.8
115	3.5	161.0	5.8
116	3.6	164.6	5.8
117	3.8	168.4	5.8
118	4.2	172.6	6.0
119	4.4	177.0	6.3
120	4.3	181.3	6.6
121	4.4	185.7	7.0
122	4.5	190.1	7.5
123	4.7	194.8	8.1

STN 406 DEPTH 4M







BRANDY COVE NB
45.08N 67.09W 2000Z 27/11/89 - 1200Z 03/05/90
INST. 64137

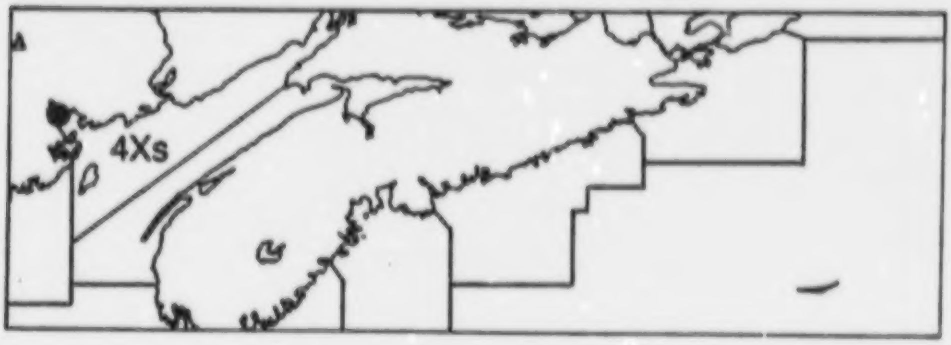
BRANDY COVE NB

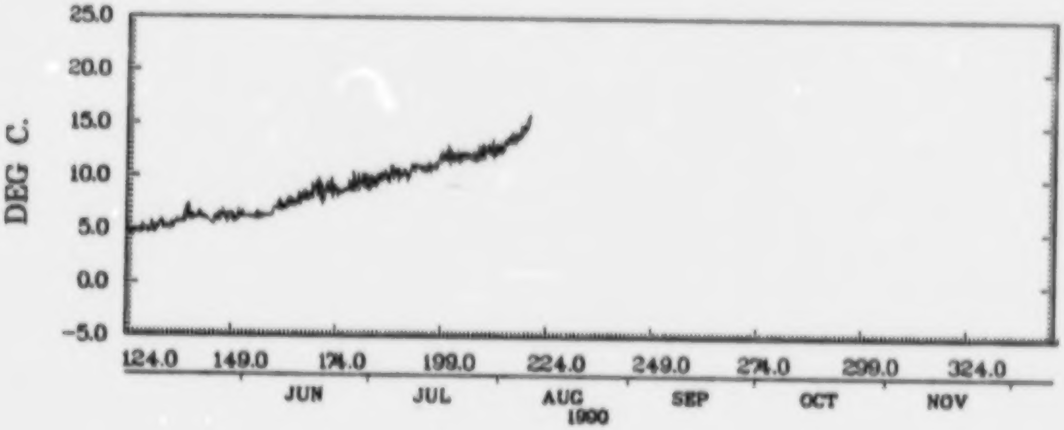
STA. 4XS 440

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
12.0M.	4.0M.	45.08	67.09	4/ 5/ 90	7/ 8/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
124	4.9	4.9	.9	189	10.3	481.4	217.4				
125	4.7	9.6	1.6	190	10.2	491.6	223.6				
126	4.8	14.4	2.4	191	10.5	502.1	230.1				
127	4.9	19.3	3.3	192	10.9	513.0	237.0				
128	5.0	24.4	4.4	193	11.0	524.0	244.0				
129	5.0	29.4	5.4	194	10.8	534.8	250.8				
130	5.1	34.5	6.5	195	10.9	545.8	257.8				
131	5.3	39.8	7.8	196	10.9	556.7	264.7				
132	5.5	45.3	9.3	197	11.0	567.8	271.8				
133	5.3	50.6	10.6	198	11.6	579.3	279.3				
134	5.4	56.0	12.0	199	12.0	591.4	287.4				
135	5.5	61.5	13.5	200	12.2	603.5	295.5				
136	5.9	67.4	15.4	201	11.9	615.4	303.4				
137	5.9	73.3	17.3	202	11.9	627.3	311.3				
138	6.8	80.1	20.1	203	11.9	639.3	319.3				
139	6.2	86.2	22.2	204	12.1	651.3	327.3				
140	6.2	92.4	24.4	205	12.1	663.4	335.4				
141	6.4	98.8	26.8	206	12.0	675.4	343.4				
142	6.1	104.9	28.9	207	12.1	687.5	351.5				
143	6.0	110.9	30.9	208	12.5	699.9	359.9				
144	5.7	116.6	32.6	209	12.6	712.5	368.5				
145	6.1	122.7	34.7	210	12.7	725.2	377.2				
146	6.4	129.1	37.1	211	12.6	737.8	385.8				
147	6.2	135.3	39.3	212	12.7	750.5	394.5				
148	6.4	141.7	41.7	213	12.8	763.3	403.3				
149	6.1	147.8	43.8	214	13.5	776.8	412.8				
150	6.4	154.2	46.2	215	13.8	790.5	422.5				
151	6.4	160.6	48.6	216	13.8	804.3	432.3				
152	6.2	166.8	50.8	217	14.0	818.3	442.3				
153	6.2	173.0	53.0	218	14.5	832.9	452.9				
154	6.2	179.3	55.3	219	15.3	848.1	464.1				
155	6.3	185.6	57.6								
156	6.3	191.9	59.9								
157	6.4	198.3	62.3								
158	6.5	204.7	64.7								
159	7.1	211.8	67.8								
160	7.3	219.1	71.1								
161	7.3	226.4	74.4								
162	7.5	233.9	77.9								
163	7.6	241.5	81.5								
164	7.6	249.1	85.1								
165	8.0	257.1	89.1								
166	8.3	265.4	93.4								
167	8.3	273.7	97.7								
168	9.0	282.7	102.7								
169	9.1	291.7	107.7								
170	8.5	300.3	112.3								
171	8.8	309.1	117.1								
172	9.2	318.2	122.2								
173	8.7	326.9	126.9								
174	8.5	335.4	131.4								
175	8.7	344.1	136.1								
176	9.0	353.1	141.1								
177	9.3	362.4	146.4								
178	9.3	371.7	151.7								
179	9.5	381.2	157.2								
180	9.7	390.9	162.9								
181	9.5	400.4	168.4								
182	9.7	410.1	174.1								
183	9.8	419.9	179.9								
184	10.0	429.9	185.9								
185	10.2	440.1	192.1								
186	10.2	450.3	198.3								
187	10.4	460.7	204.7								
188	10.4	471.1	211.1								

STN 440 DEPTH 4M





BRANDY COVE NB
45.08N 67.09W 0000Z 04/05/90 - 2000Z 07/08/90
INST. 62468

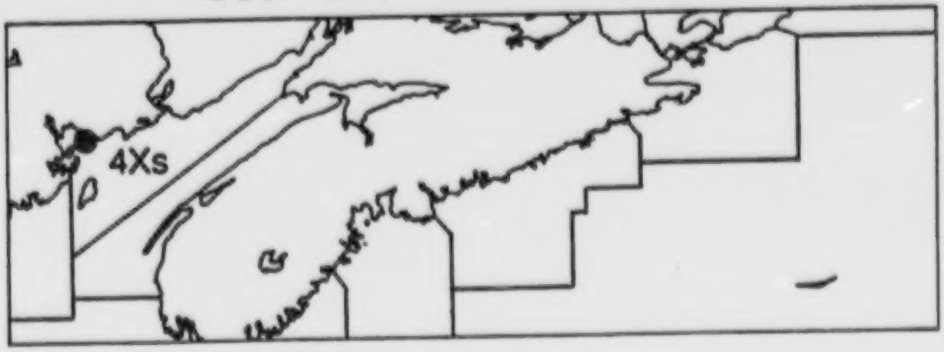
DEADMAN HARBOUR NB

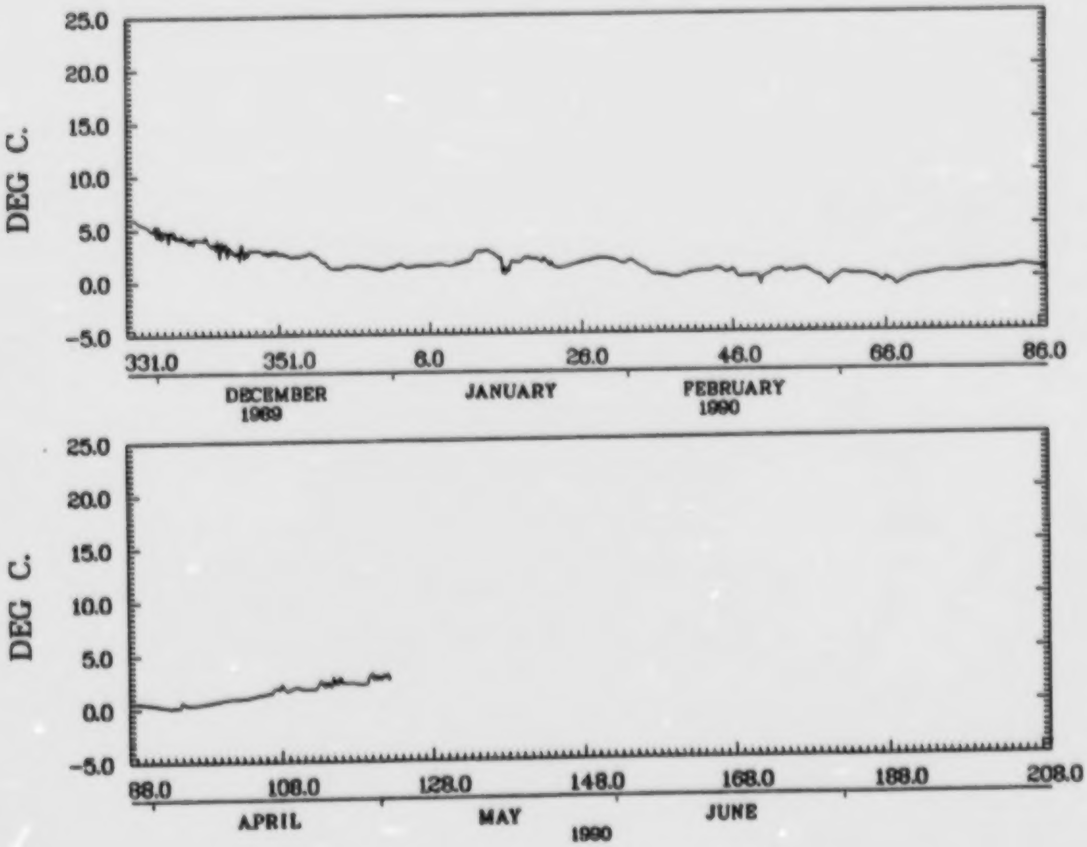
STA. 4XS 407

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
14.0M.	14.0M.	45.04	66.78	27/11/ 89	2/ 5/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
331	6.0	6.0	2.0	31	1.5	157.0	7.6	96	.4	188.9	7.6
332	5.7	11.7	3.7	32	1.7	158.7	7.6	97	.4	189.4	7.6
333	5.3	17.0	5.0	33	1.3	160.0	7.6	98	.5	189.9	7.6
334	4.9	21.9	5.9	34	.9	161.0	7.6	99	.7	190.6	7.6
335	4.6	26.5	6.5	35	.5	161.5	7.6	100	.8	191.4	7.6
336	4.6	31.1	7.1	36	.4	161.9	7.6	101	.9	192.2	7.6
337	4.3	35.4	7.4	37	.3	162.2	7.6	102	.9	193.1	7.6
338	4.1	39.6	7.6	38	.2	162.4	7.6	103	1.0	194.1	7.6
339	3.9	43.4	7.6	39	.3	162.7	7.6	104	1.1	195.2	7.6
340	4.0	47.5	7.6	40	.5	163.2	7.6	105	1.3	196.5	7.6
341	3.9	51.4	7.6	41	.7	163.9	7.6	106	1.4	197.9	7.6
342	3.5	54.9	7.6	42	.7	164.7	7.6	107	1.8	199.7	7.6
343	3.2	58.0	7.6	43	.8	165.5	7.6	108	1.8	201.5	7.6
344	3.0	61.1	7.6	44	.8	166.3	7.6	109	1.8	203.3	7.6
345	2.6	63.7	7.6	45	.6	167.0	7.6	110	1.8	205.1	7.6
346	2.8	66.5	7.6	46	.4	167.4	7.6	111	1.7	206.9	7.6
347	2.9	69.5	7.6	47	.1	167.5	7.6	112	1.8	208.7	7.6
348	2.9	72.4	7.6	48	.2	167.7	7.6	113	2.2	211.0	7.6
349	2.7	75.1	7.6	49	.0	167.7	7.6	114	2.3	213.2	7.6
350	2.7	77.8	7.6	50	.2	167.9	7.6	115	2.5	215.7	7.6
351	2.6	80.5	7.6	51	.7	168.6	7.6	116	2.3	218.0	7.6
352	2.4	82.8	7.6	52	.7	169.3	7.6	117	2.3	220.3	7.6
353	2.4	85.2	7.6	53	.6	170.0	7.6	118	2.2	222.5	7.6
354	2.5	87.8	7.6	54	.7	170.7	7.6	119	2.6	225.0	7.6
355	2.6	90.3	7.6	55	.8	171.5	7.6	120	2.8	227.9	7.6
356	2.1	92.4	7.6	56	.5	172.0	7.6	121	2.8	230.7	7.6
357	1.5	93.9	7.6	57	.1	172.1	7.6	122	2.8	233.5	7.6
358	1.2	95.1	7.6	58	-.4	172.1	7.6				
359	1.3	96.4	7.6	59	.1	172.2	7.6				
360	1.4	97.8	7.6	60	.4	172.6	7.6				
361	1.4	99.3	7.6	61	.4	172.9	7.6				
362	1.4	100.6	7.6	62	.3	173.3	7.6				
363	1.2	101.9	7.6	63	.3	173.6	7.6				
364	1.1	102.9	7.6	64	.1	173.7	7.6				
365	1.2	104.2	7.6	65	-.2	173.7	7.6				
1	1.4	105.6	7.6	66	-.2	173.7	7.6				
2	1.5	107.0	7.6	67	-.6	173.7	7.6				
3	1.3	108.3	7.6	68	-.3	173.7	7.6				
4	1.4	109.7	7.6	69	.0	173.7	7.6				
5	1.4	111.2	7.6	70	.2	173.8	7.6				
6	1.5	112.7	7.6	71	.3	174.1	7.6				
7	1.5	114.2	7.6	72	.4	174.5	7.6				
8	1.5	115.7	7.6	73	.5	175.0	7.6				
9	1.6	117.2	7.6	74	.5	175.5	7.6				
10	1.7	119.0	7.6	75	.5	176.0	7.6				
11	2.1	121.1	7.6	76	.6	176.6	7.6				
12	2.7	123.8	7.6	77	.7	177.3	7.6				
13	2.8	126.6	7.6	78	.7	178.0	7.6				
14	2.4	129.0	7.6	79	.7	178.7	7.6				
15	1.4	130.4	7.6	80	.8	179.5	7.6				
16	1.3	131.7	7.6	81	.8	180.3	7.6				
17	1.7	133.4	7.6	82	.9	181.2	7.6				
18	2.0	135.4	7.6	83	1.0	182.3	7.6				
19	2.0	137.4	7.6	84	1.0	183.3	7.6				
20	1.9	139.3	7.6	85	.9	184.2	7.6				
21	1.6	141.0	7.6	86	.8	185.0	7.6				
22	1.2	142.2	7.6	87	.7	185.7	7.6				
23	1.1	143.3	7.6	88	.6	186.3	7.6				
24	1.3	144.6	7.6	89	.5	186.9	7.6				
25	1.5	146.2	7.6	90	.4	187.3	7.6				
26	1.7	147.9	7.6	91	.3	187.6	7.6				
27	1.9	149.7	7.6	92	.2	187.8	7.6				
28	2.0	151.7	7.6	93	.1	187.9	7.6				
29	2.0	153.7	7.6	94	.2	188.2	7.6				
30	1.8	155.5	7.6	95	.4	188.6	7.6				

STN 407 DEPTH 14M





DEADMAN HARBOUR NB
45.04N 66.78W 1700Z 27/11/89 - 0900Z 02/05/90
INST. 60908

DEADMAN HARBOUR NB

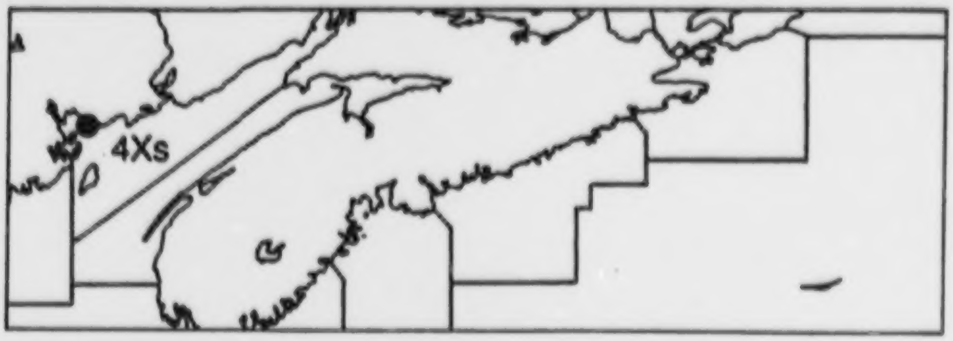
STA. 4XS 408

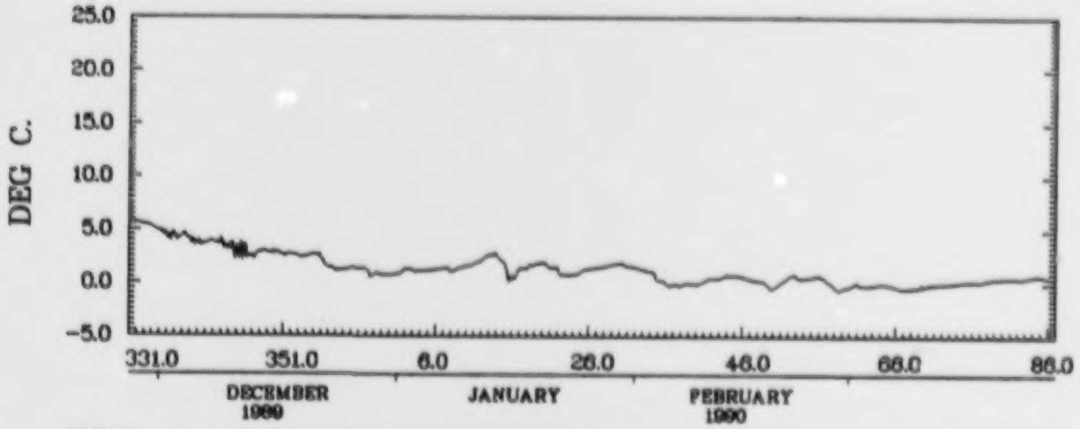
WATER DEPTH 14.0M. INST DEPTH 14.0M. LATITUDE 45.04 LONGITUDE 66.78

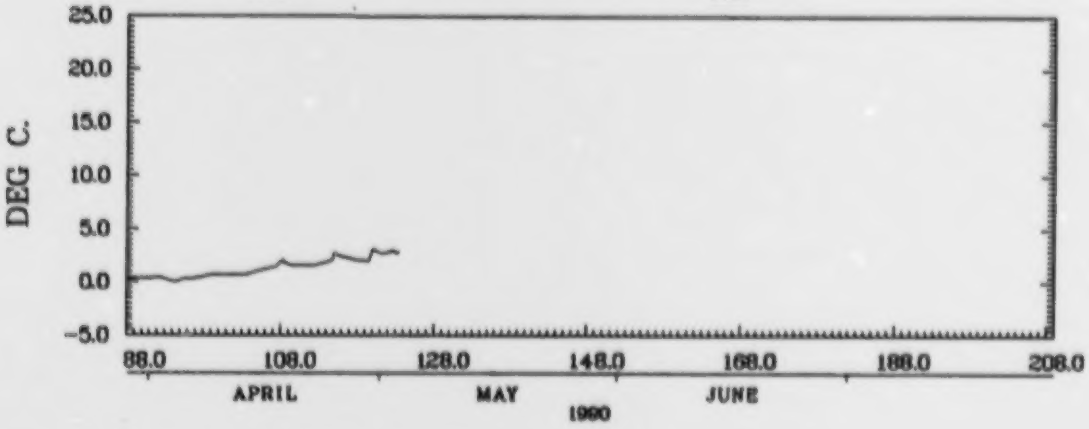
FROM 27/11/ 89 TO 3/ 5/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
331	5.7	5.7	1.7	31	1.6	148.7	7.3	96	.3	169.2	7.3
332	5.6	11.2	3.2	32	1.4	150.1	7.3	97	.4	169.6	7.3
333	5.4	16.6	4.6	33	1.2	151.3	7.3	98	.6	170.2	7.3
334	5.0	21.7	5.7	34	.8	152.1	7.3	99	.7	170.9	7.3
335	4.6	26.3	6.3	35	.2	152.3	7.3	100	.7	171.5	7.3
336	4.4	30.7	6.7	36	-.1	152.3	7.3	101	.7	172.2	7.3
337	4.3	34.9	6.9	37	-.1	152.3	7.3	102	.7	172.9	7.3
338	4.4	39.3	7.3	38	.0	152.3	7.3	103	.7	173.6	7.3
339	3.8	43.1	7.3	39	.0	152.3	7.3	104	.9	174.5	7.3
340	3.7	46.8	7.3	40	.1	152.4	7.3	105	1.1	175.7	7.3
341	3.8	50.6	7.3	41	.4	152.9	7.3	106	1.3	177.0	7.3
342	3.8	54.4	7.3	42	.5	153.4	7.3	107	1.6	178.6	7.3
343	3.5	57.9	7.3	43	.7	154.0	7.3	108	1.8	180.4	7.3
344	3.2	61.0	7.3	44	.8	154.8	7.3	109	1.6	181.9	7.3
345	3.0	64.0	7.3	45	.7	155.5	7.3	110	1.6	183.5	7.3
346	2.7	66.7	7.3	46	.5	156.1	7.3	111	1.5	185.0	7.3
347	2.6	69.3	7.3	47	.3	156.4	7.3	112	1.6	186.6	7.3
348	2.9	72.2	7.3	48	.2	156.6	7.3	113	1.8	188.4	7.3
349	2.8	75.1	7.3	49	-.3	156.6	7.3	114	2.1	190.6	7.3
350	2.8	77.9	7.3	50	-.1	156.6	7.3	115	2.5	193.1	7.3
351	2.7	80.5	7.3	51	.4	157.0	7.3	116	2.3	195.4	7.3
352	2.6	83.2	7.3	52	.8	157.8	7.3	117	2.1	197.5	7.3
353	2.4	85.6	7.3	53	.5	158.4	7.3	118	2.0	199.5	7.3
354	2.6	88.2	7.3	54	.6	158.9	7.3	119	2.4	201.9	7.3
355	2.6	90.8	7.3	55	.7	159.6	7.3	120	2.9	204.8	7.3
356	1.8	92.6	7.3	56	.5	160.2	7.3	121	2.7	207.6	7.3
357	1.3	93.9	7.3	57	.0	160.2	7.3	122	2.9	210.4	7.3
358	1.2	95.2	7.3	58	-.5	160.2	7.3	123	2.8	213.2	7.3
359	1.3	96.4	7.3	59	-.4	160.2	7.3				
360	1.4	97.8	7.3	60	.0	160.2	7.3				
361	1.4	99.2	7.3	61	-.1	160.2	7.3				
362	.8	100.1	7.3	62	-.2	160.2	7.3				
363	.9	100.9	7.3	63	-.1	160.2	7.3				
364	.8	101.7	7.3	64	.0	160.2	7.3				
365	.8	102.5	7.3	65	-.2	160.2	7.3				
1	1.1	103.6	7.3	66	-.4	160.2	7.3				
2	1.3	104.9	7.3	67	-.4	160.2	7.3				
3	1.1	106.0	7.3	68	-.4	160.2	7.3				
4	1.2	107.2	7.3	69	-.2	160.2	7.3				
5	1.2	108.4	7.3	70	-.1	160.2	7.3				
6	1.3	109.8	7.3	71	.0	160.2	7.3				
7	1.3	111.1	7.3	72	.0	160.2	7.3				
8	1.3	112.4	7.3	73	.1	160.3	7.3				
9	1.5	113.9	7.3	74	.2	160.4	7.3				
10	1.7	115.6	7.3	75	.2	160.6	7.3				
11	2.0	117.6	7.3	76	.2	160.8	7.3				
12	2.4	120.0	7.3	77	.3	161.1	7.3				
13	2.7	122.7	7.3	78	.4	161.6	7.3				
14	2.2	124.9	7.3	79	.5	162.1	7.3				
15	.9	125.9	7.3	80	.5	162.6	7.3				
16	.9	126.8	7.3	81	.5	163.1	7.3				
17	1.4	128.2	7.3	82	.5	163.7	7.3				
18	1.7	129.9	7.3	83	.7	164.3	7.3				
19	1.9	131.7	7.3	84	.8	165.1	7.3				
20	1.7	133.5	7.3	85	.7	165.8	7.3				
21	1.5	135.0	7.3	86	.5	166.3	7.3				
22	.9	135.9	7.3	87	.4	166.6	7.3				
23	.8	136.7	7.3	88	.3	167.0	7.3				
24	.9	137.6	7.3	89	.3	167.3	7.3				
25	1.3	138.9	7.3	90	.3	167.6	7.3				
26	1.4	140.3	7.3	91	.4	168.0	7.3				
27	1.5	141.8	7.3	92	.4	168.4	7.3				
28	1.7	143.5	7.3	93	.2	168.5	7.3				
29	1.8	145.4	7.3	94	.1	168.6	7.3				
30	1.8	147.1	7.3	95	.3	168.9	7.3				

STN 408 DEPTH 14M







DEADMAN HARBOUR NB
45.04N 66.78W 1900Z 27/11/89 - 1100Z 03/05/90
INST. 62497

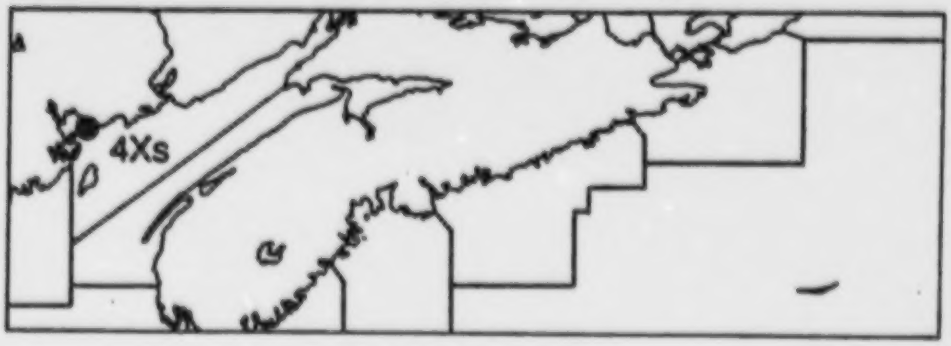
DEADMAN HARBOUR NB

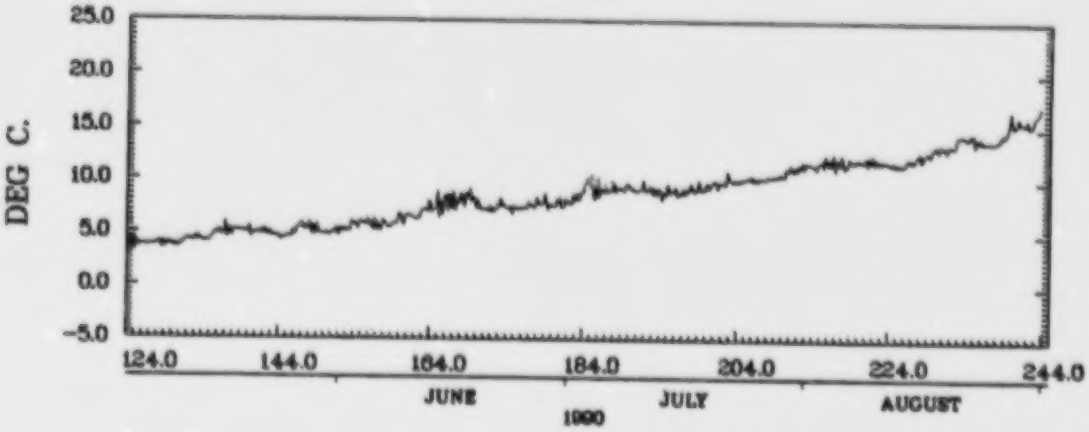
STA. 4XS 441

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
14.0M.	4.0M.	45.04	66.78	4/ 5/ 90	31/ 8/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
124	4.4	4.4	.4	189	10.1	447.3	183.3				
125	4.1	8.4	.4	190	10.0	457.2	189.2				
126	4.1	12.5	.5	191	10.1	467.3	195.3				
127	4.1	16.7	.7	192	9.9	477.2	201.2				
128	4.2	20.8	.8	193	9.8	487.0	207.0				
129	4.1	25.0	1.0	194	9.5	496.5	212.5				
130	4.0	29.0	1.0	195	9.9	506.3	218.3				
131	4.4	33.4	1.4	196	9.6	516.0	224.0				
132	4.6	38.0	2.0	197	9.9	525.8	229.8				
133	4.8	42.7	2.8	198	10.0	535.9	235.9				
134	4.5	47.3	3.3	199	10.1	546.0	242.0				
135	5.0	52.3	4.3	200	10.5	556.5	248.5				
136	5.3	57.6	5.6	201	10.6	567.1	255.1				
137	5.5	63.1	7.1	202	10.9	578.0	262.0				
138	5.6	68.8	8.8	203	10.9	588.9	268.9				
139	5.5	74.3	10.3	204	10.9	599.8	275.8				
140	5.4	79.7	11.7	205	11.1	610.9	282.9				
141	5.5	85.1	13.2	206	11.0	621.9	289.9				
142	5.4	90.6	14.6	207	11.1	633.0	297.0				
143	5.1	95.7	15.7	208	11.3	644.3	304.3				
144	4.9	100.5	16.5	209	11.4	655.7	311.7				
145	5.1	105.7	17.7	210	11.7	667.4	319.4				
146	5.8	111.4	19.4	211	12.2	679.6	327.6				
147	6.0	117.4	21.4	212	12.3	691.9	335.9				
148	5.7	123.1	23.1	213	12.6	704.5	344.5				
149	5.5	128.7	24.7	214	12.5	717.0	353.0				
150	5.3	133.9	26.0	215	12.9	729.9	361.9				
151	5.6	139.5	27.5	216	12.9	742.8	370.8				
152	5.6	145.1	29.2	217	12.7	755.5	379.5				
153	6.0	151.1	31.1	218	12.6	768.1	388.1				
154	6.3	157.4	33.4	219	12.9	781.0	397.0				
155	6.5	163.9	35.9	220	12.9	794.0	406.0				
156	6.2	170.1	38.1	221	13.1	807.0	415.0				
157	6.1	176.2	40.2	222	12.9	819.9	423.9				
158	6.2	182.4	42.4	223	12.9	832.8	432.8				
159	6.5	188.9	44.9	224	12.6	845.4	441.4				
160	7.0	195.8	47.8	225	12.6	858.0	450.0				
161	7.2	203.0	51.0	226	12.9	870.9	458.9				
162	7.0	210.0	54.0	227	13.2	884.1	468.2				
163	7.9	217.9	57.9	228	13.5	897.6	477.6				
164	8.1	226.0	62.0	229	13.9	911.6	487.6				
165	8.3	234.3	66.3	230	14.4	926.0	498.0				
166	8.7	243.0	71.0	231	14.3	940.3	508.3				
167	8.7	251.6	75.6	232	14.7	955.0	519.0				
168	9.0	260.6	80.6	233	15.6	970.6	530.6				
169	9.1	269.7	85.7	234	15.5	986.1	542.1				
170	8.1	277.8	89.8	235	15.2	1001.3	553.3				
171	7.9	285.7	93.7	236	15.0	1016.2	564.2				
172	7.9	293.7	97.7	237	14.9	1031.2	575.2				
173	8.4	302.0	102.0	238	15.4	1046.6	586.6				
174	7.9	310.0	106.0	239	16.5	1063.0	599.0				
175	8.0	318.0	110.0	240	17.0	1080.0	612.0				
176	8.1	326.1	114.1	241	16.9	1096.9	624.9				
177	8.3	334.4	118.4	242	16.8	1113.7	637.8				
178	8.6	343.0	123.0	243	18.0	1131.7	651.7				
179	8.5	351.5	127.5								
180	8.5	360.0	132.0								
181	8.6	368.6	136.6								
182	8.8	377.4	141.4								
183	9.3	386.6	146.6								
184	10.5	397.1	153.1								
185	10.3	407.4	159.4								
186	9.8	417.2	165.2								
187	10.0	427.1	171.2								
188	10.0	437.1	177.1								

STN 441 DEPTH 4M





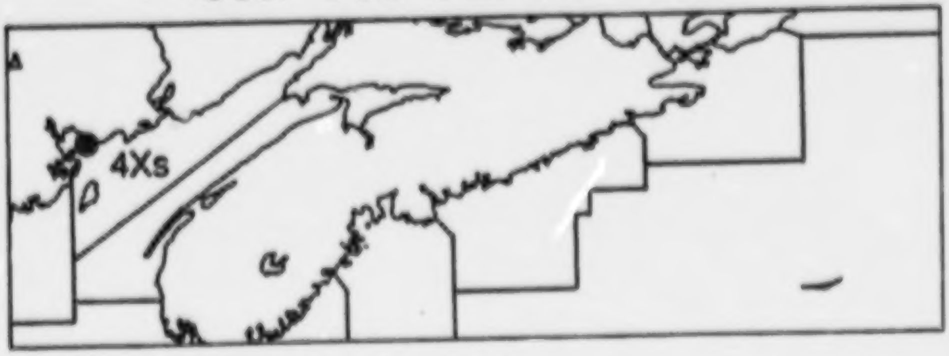
DEADMAN HARBOUR NB
45.04N 66.78W 0000Z 04/05/90 - 1600Z 31/08/90
INST. 62910

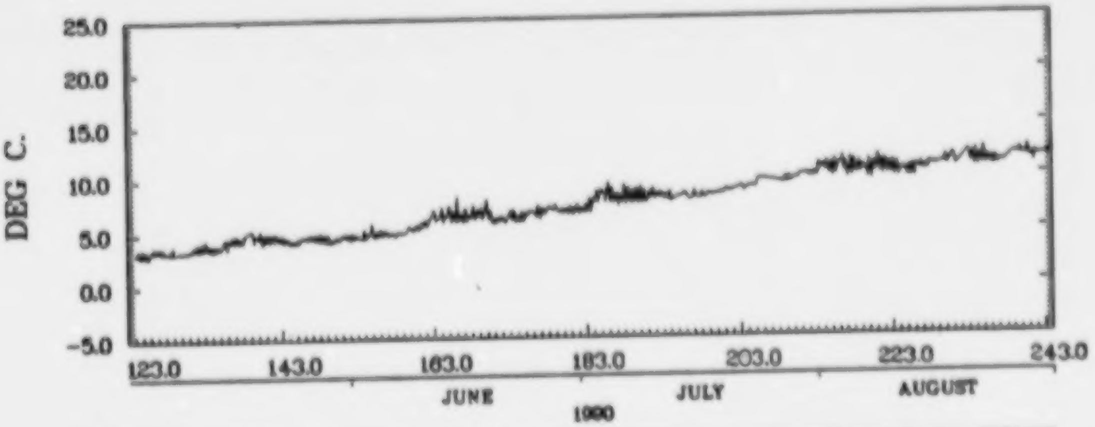
DEADMAN HARBOUR NB STA. 4XS 442

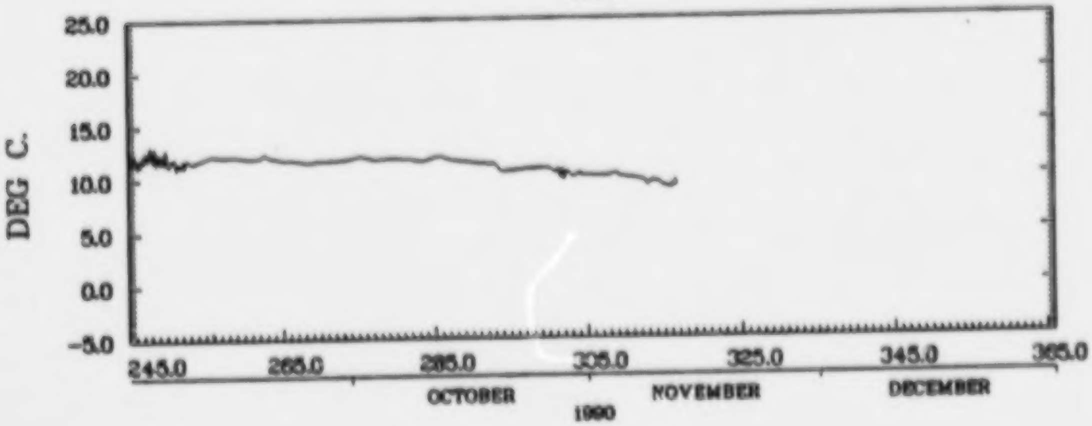
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
14.0M.	12.0M.	45.04	66.78	3/ 5/ 90	12/11/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
123	3.1	3.1	.0	188	8.1	354.2	97.7	253	11.7	1026.7	510.3
124	3.2	6.3	.0	189	8.1	362.3	101.8	254	11.9	1038.6	518.1
125	3.1	9.4	.0	190	8.1	370.4	105.9	255	12.1	1050.8	526.3
126	3.5	12.9	.0	191	8.3	378.7	110.3	256	12.2	1062.9	534.4
127	3.4	16.2	.0	192	8.3	387.0	114.6	257	12.1	1075.0	542.6
128	3.3	19.5	.0	193	8.1	395.2	118.7	258	12.1	1087.1	550.7
129	3.2	22.7	.0	194	7.9	403.1	122.6	259	12.1	1099.2	558.7
130	3.3	26.0	.0	195	8.3	411.4	126.9	260	12.0	1111.2	566.7
131	3.5	29.5	.0	196	8.0	419.4	130.9	261	12.0	1123.2	574.7
132	3.7	33.1	.0	197	8.1	427.5	135.0	262	12.2	1135.4	582.9
133	3.7	36.9	.0	198	8.3	435.8	139.3	263	12.1	1147.4	591.0
134	3.6	40.5	.0	199	8.3	444.1	143.6	264	11.9	1159.3	598.9
135	4.0	44.5	.0	200	8.4	452.5	148.0	265	11.8	1171.1	606.6
136	4.4	48.9	.4	201	8.7	461.2	152.7	266	11.8	1182.9	614.4
137	4.4	53.3	.8	202	8.8	470.0	157.5	267	11.7	1194.6	622.1
138	4.9	58.2	1.7	203	8.9	478.9	162.4	268	11.6	1206.2	629.7
139	4.8	63.0	2.5	204	9.0	487.9	167.4	269	11.7	1217.8	637.4
140	4.5	67.6	3.1	205	9.6	497.5	173.0	270	11.7	1229.6	645.1
141	4.6	72.1	3.7	206	9.6	507.1	178.7	271	11.7	1241.3	652.8
142	4.5	76.7	4.2	207	9.5	516.7	184.2	272	11.8	1253.1	660.6
143	4.4	81.0	4.6	208	9.5	526.2	189.7	273	11.9	1264.9	668.5
144	4.1	85.2	4.7	209	9.6	535.8	195.3	274	12.0	1276.9	676.4
145	4.4	89.6	5.1	210	9.9	545.7	201.2	275	12.1	1289.0	684.5
146	4.6	94.2	5.7	211	10.1	555.7	207.2	276	11.9	1300.9	692.5
147	4.5	98.7	6.2	212	10.1	565.8	213.3	277	11.8	1312.8	700.3
148	4.5	103.2	6.7	213	10.7	576.4	220.0	278	11.9	1324.6	708.2
149	4.3	107.5	7.0	214	10.7	587.2	226.7	279	11.9	1336.6	716.1
150	4.4	112.0	7.5	215	10.6	597.8	233.3	280	11.9	1348.5	724.0
151	4.7	116.7	8.2	216	11.0	608.8	240.3	281	11.9	1360.3	731.8
152	4.6	121.3	8.8	217	10.5	619.3	246.8	282	11.7	1372.1	739.6
153	4.7	125.9	9.5	218	10.5	629.9	253.4	283	11.7	1383.7	747.3
154	4.9	130.9	10.4	219	10.6	640.4	260.0	284	11.9	1395.6	755.1
155	4.8	135.7	11.2	220	10.7	651.1	266.6	285	12.0	1407.7	763.2
156	5.0	140.7	12.2	221	10.9	662.0	273.5	286	11.9	1419.6	771.1
157	4.8	145.5	13.0	222	10.6	672.6	280.2	287	11.7	1431.3	778.8
158	4.9	150.4	13.9	223	10.4	683.1	286.6	288	11.6	1442.9	786.4
159	5.2	155.6	15.1	224	10.4	693.4	293.0	289	11.5	1454.4	793.9
160	5.4	160.9	16.5	225	10.3	703.7	299.2	290	11.4	1465.9	801.4
161	5.7	166.6	18.2	226	10.7	714.4	306.0	291	11.4	1477.3	808.8
162	6.2	172.8	20.3	227	10.7	725.1	312.6	292	11.4	1488.6	816.1
163	6.4	179.3	22.8	228	10.9	736.1	319.6	293	10.9	1499.5	823.0
164	6.6	185.9	25.4	229	11.1	747.2	326.7	294	10.7	1510.1	829.7
165	6.5	192.4	27.9	230	11.4	758.6	334.1	295	10.7	1520.8	836.4
166	6.6	199.0	30.5	231	11.1	769.7	341.2	296	10.8	1531.6	843.2
167	6.6	205.5	33.1	232	11.8	781.5	349.0	297	10.9	1542.5	850.0
168	6.8	212.3	35.9	233	11.5	792.9	356.4	298	10.9	1553.4	856.9
169	6.9	219.2	38.7	234	11.4	804.3	363.8	299	10.9	1564.4	863.9
170	6.3	225.5	41.1	235	11.2	815.6	371.1	300	10.6	1575.0	870.5
171	6.1	231.6	43.1	236	11.1	826.7	378.2	301	10.4	1585.4	876.9
172	6.2	237.8	45.3	237	11.1	837.8	385.3	302	10.4	1595.7	883.3
173	6.5	244.3	47.8	238	11.7	849.5	393.0	303	10.2	1606.0	889.5
174	6.3	250.6	50.1	239	11.9	861.3	400.9	304	10.2	1616.2	895.7
175	6.8	257.3	52.8	240	11.9	873.2	408.8	305	10.2	1626.4	901.9
176	6.8	264.1	55.6	241	11.6	884.8	416.3	306	10.1	1636.5	908.0
177	6.9	271.0	58.5	242	11.7	896.5	424.0	307	10.1	1646.6	914.1
178	7.2	278.1	61.6	243	11.9	908.4	431.9	308	10.3	1656.9	920.4
179	6.8	285.0	64.5	244	11.8	920.2	439.7	309	10.0	1667.0	926.5
180	6.9	291.9	67.4	245	11.9	932.1	447.6	310	10.0	1676.9	932.4
181	6.9	298.8	70.4	246	11.7	943.8	455.3	311	9.8	1686.8	938.3
182	6.9	305.8	73.3	247	12.4	956.2	463.7	312	9.5	1696.3	943.8
183	7.3	313.1	76.6	248	12.2	968.4	471.9	313	9.6	1705.9	949.4
184	8.2	321.3	80.8	249	12.0	980.3	479.8	314	9.4	1715.2	954.8
185	8.6	329.9	85.4	250	11.6	992.0	487.5	315	9.1	1724.3	959.8
186	8.1	338.0	89.5	251	11.4	1003.4	494.9	316	9.3	1733.6	965.1
187	8.1	346.1	93.6	252	11.7	1015.1	502.6				

STN 442 DEPTH 12M







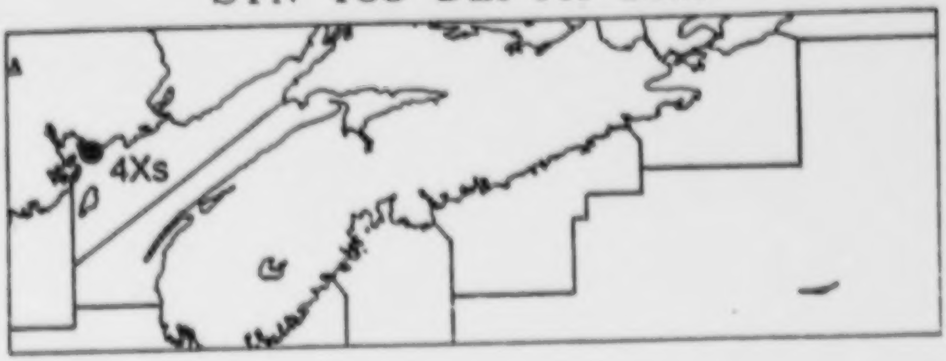
DEADMAN HARBOUR NB
45.04N 66.78W 2200Z 03/05/90 - 1400Z 12/11/90
INST. 60916

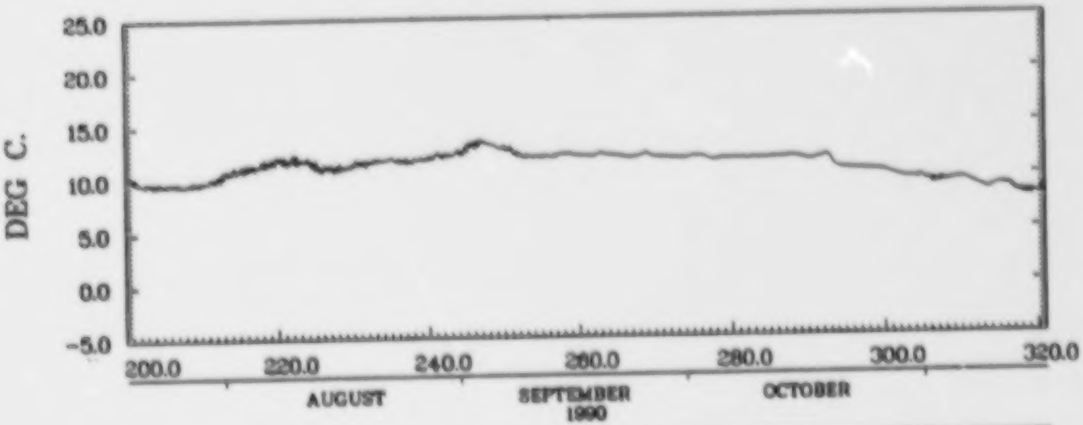
LETANG HARBOUR NB STA. 4XS 438

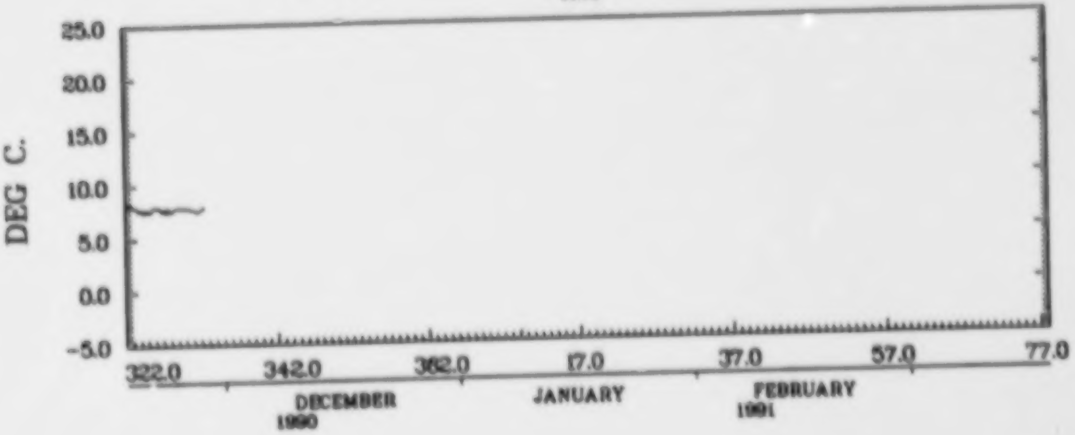
WATER DEPTH 18.0M. INST DEPTH 13.0M. LATITUDE 45.06 LONGITUDE 66.83 FROM 19/ 7/ 90 TO 28/11/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
200	10.2	10.2	6.2	265	11.9	755.7	491.7	330	7.8	1416.0	892.0
201	9.9	20.1	12.1	266	11.8	767.5	499.5	331	7.6	1423.6	895.6
202	9.6	29.7	17.7	267	11.8	779.4	507.4	332	7.8	1431.4	899.4
203	9.6	39.3	23.3	268	12.0	791.4	515.4				
204	9.6	48.9	28.9	269	12.0	803.4	523.4				
205	9.5	58.4	34.4	270	11.8	815.2	531.2				
206	9.6	68.0	40.0	271	11.8	826.9	538.9				
207	9.5	77.5	45.5	272	11.7	838.6	546.6				
208	9.6	87.1	51.1	273	11.7	850.3	554.3				
209	9.6	96.8	56.8	274	11.7	862.0	562.0				
210	9.8	106.6	62.6	275	11.8	873.9	569.9				
211	10.0	116.6	68.6	276	11.8	885.7	577.7				
212	10.3	126.8	74.8	277	11.5	897.2	585.2				
213	10.6	137.5	81.5	278	11.6	908.8	592.8				
214	10.8	148.3	88.3	279	11.6	920.4	600.4				
215	11.0	159.3	95.3	280	11.6	932.0	608.0				
216	11.2	170.5	102.5	281	11.6	943.6	615.6				
217	11.2	181.7	109.7	282	11.6	955.1	623.1				
218	11.5	193.2	117.2	283	11.6	966.7	630.7				
219	11.7	204.9	124.9	284	11.6	978.4	638.4				
220	11.9	216.8	132.8	285	11.6	990.0	646.0				
221	11.7	228.5	140.5	286	11.7	1001.7	653.7				
222	11.8	240.3	148.3	287	11.7	1013.4	661.4				
223	11.8	252.1	156.1	288	11.7	1025.1	669.1				
224	11.5	263.6	163.6	289	11.6	1036.7	676.7				
225	11.1	274.7	170.7	290	11.4	1048.1	684.1				
226	11.1	285.7	177.7	291	11.6	1059.7	691.7				
227	11.0	296.8	184.8	292	11.8	1071.5	699.5				
228	11.0	307.8	191.8	293	11.1	1082.6	706.6				
229	11.1	318.9	198.9	294	10.6	1093.2	713.2				
230	11.5	330.4	206.4	295	10.5	1103.7	719.7				
231	11.5	341.9	213.9	296	10.5	1114.2	726.2				
232	11.6	353.5	221.5	297	10.5	1124.7	732.7				
233	11.7	365.2	229.2	298	10.4	1135.1	739.1				
234	11.8	377.0	237.0	299	10.4	1145.5	745.5				
235	11.8	388.8	244.8	300	10.2	1155.7	751.7				
236	11.6	400.4	252.4	301	10.0	1165.7	757.7				
237	11.6	412.0	260.0	302	9.7	1175.4	763.4				
238	11.8	423.8	267.8	303	9.7	1185.1	769.1				
239	11.8	435.6	275.6	304	9.7	1194.8	774.8				
240	12.0	447.6	283.6	305	9.5	1204.3	780.3				
241	12.2	459.8	291.8	306	9.2	1213.6	785.6				
242	12.2	471.9	299.9	307	9.4	1223.0	791.0				
243	12.4	484.3	308.3	308	9.4	1232.3	796.3				
244	12.5	496.8	316.8	309	9.5	1241.8	801.8				
245	13.0	509.8	325.8	310	9.5	1251.3	807.3				
246	13.2	523.0	335.0	311	9.2	1260.5	812.5				
247	13.3	536.3	344.3	312	8.9	1269.4	817.4				
248	13.1	549.4	353.4	313	8.6	1277.9	821.9				
249	12.8	562.2	362.2	314	8.8	1286.7	826.7				
250	12.7	574.9	370.9	315	8.9	1295.7	831.7				
251	12.3	587.2	379.2	316	8.8	1304.4	836.4				
252	12.0	599.3	387.3	317	8.3	1312.7	840.7				
253	12.0	611.2	395.2	318	8.1	1320.9	844.9				
254	11.9	623.2	403.2	319	8.2	1329.0	849.0				
255	12.0	635.2	411.2	320	8.2	1337.2	853.2				
256	12.0	647.2	419.2	321	8.3	1345.5	857.5				
257	12.1	659.3	427.3	322	8.3	1353.8	861.8				
258	12.2	671.5	435.5	323	7.9	1361.7	865.7				
259	12.1	683.5	443.5	324	7.6	1369.3	869.3				
260	12.0	695.6	451.6	325	7.7	1377.1	873.1				
261	12.0	707.5	459.5	326	7.9	1385.0	877.0				
262	12.1	719.6	467.6	327	7.7	1392.7	880.7				
263	12.1	731.7	475.7	328	7.7	1400.4	884.4				
264	12.0	743.7	483.7	329	7.9	1408.2	888.2				

STN 438 DEPTH 13M







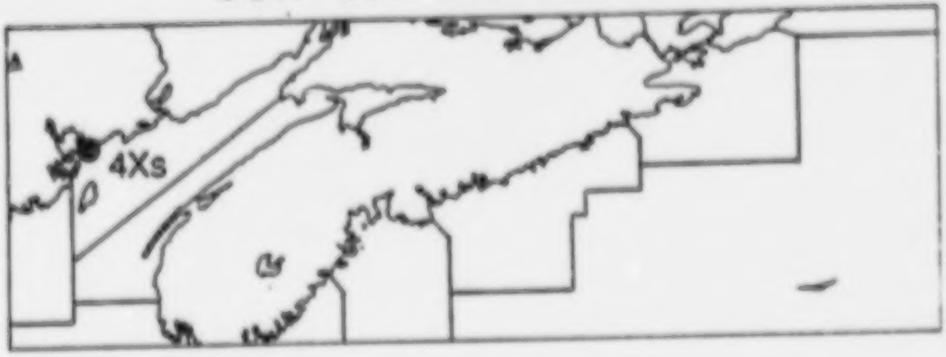
LETANG HARBOUR NB
45.06N 66.83W 1600Z 19/07/90 - 1200Z 28/11/90
INST. 64172

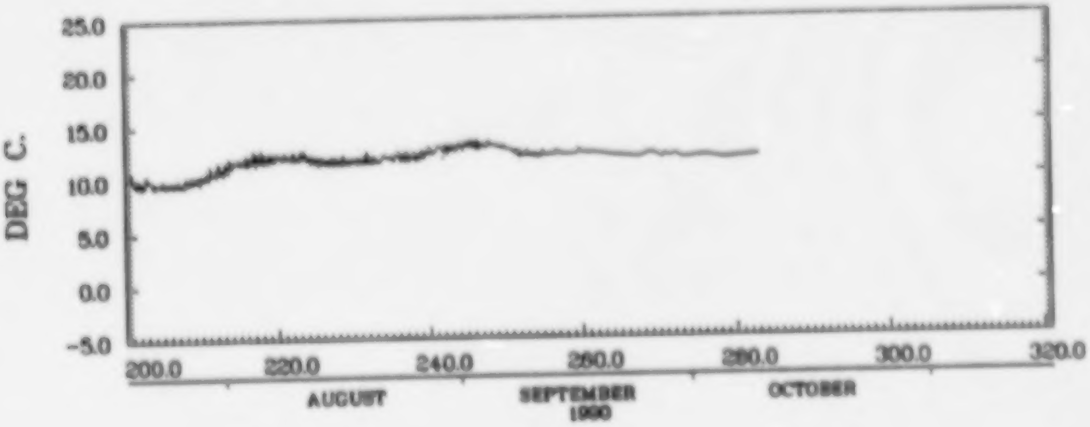
LETANG HARBOUR NB STA. 4XS 439

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
18.0M.	5.0M.	45.06	66.83	19/ 7/ 90	10/10/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
200	10.7	10.7	6.7
201	9.8	20.5	12.5
202	9.7	30.2	18.2
203	9.9	40.1	24.1
204	9.6	49.7	29.7
205	9.6	59.3	35.3
206	9.6	68.9	40.9
207	9.6	78.6	46.6
208	10.0	88.6	52.6
209	10.0	98.6	58.6
210	10.4	109.0	65.0
211	10.7	119.6	71.6
212	10.9	130.5	78.5
213	11.3	141.8	85.8
214	11.6	153.4	93.4
215	11.7	165.2	101.2
216	11.8	177.0	109.0
217	12.0	189.0	117.0
218	11.9	200.9	124.9
219	12.1	213.0	133.0
220	12.2	225.2	141.2
221	12.0	237.2	149.2
222	12.1	249.3	157.3
223	12.3	261.6	165.6
224	11.9	273.5	173.5
225	11.7	285.3	181.3
226	11.7	297.0	189.0
227	11.7	308.7	196.7
228	11.7	320.4	204.4
229	11.7	332.1	212.1
230	11.7	343.8	219.8
231	11.8	355.6	227.6
232	11.8	367.4	235.4
233	11.7	379.1	243.1
234	12.0	391.2	251.2
235	12.1	403.2	259.2
236	11.9	415.2	267.2
237	12.1	427.2	275.2
238	12.0	439.3	283.3
239	12.4	451.6	291.6
240	12.6	464.2	300.2
241	12.9	477.0	309.0
242	12.7	489.8	317.8
243	12.9	502.6	326.6
244	13.0	515.6	335.6
245	13.2	528.8	344.8
246	13.0	541.8	353.8
247	13.1	554.9	362.9
248	13.1	568.1	372.1
249	13.0	581.0	381.0
250	12.8	593.8	389.8
251	12.4	606.2	398.2
252	12.2	618.4	406.4
253	12.2	630.6	414.6
254	12.1	642.6	422.6
255	12.2	654.8	430.8
256	12.3	667.1	439.1
257	12.2	679.3	447.3
258	12.2	691.5	455.5
259	12.3	703.8	463.8
260	12.3	716.1	472.1
261	12.3	728.4	480.4
262	12.2	740.6	488.6
263	12.1	752.7	496.7
264	12.0	764.7	504.7
265	12.0	776.7	512.7
266	11.9	788.6	520.6
267	11.9	800.5	528.5
268	12.1	812.6	536.6
269	12.1	824.6	544.6
270	11.9	836.7	552.7
271	12.0	848.7	560.7
272	12.0	860.7	568.7
273	11.8	872.5	576.5
274	11.8	884.3	584.3
275	11.9	896.2	592.2
276	11.9	908.1	600.1
277	11.8	919.9	607.9
278	11.7	931.6	615.6
279	11.7	943.3	623.3
280	11.8	955.1	631.1
281	11.8	966.9	638.9
282	11.9	978.8	646.8

STN 439 DEPTH 5M





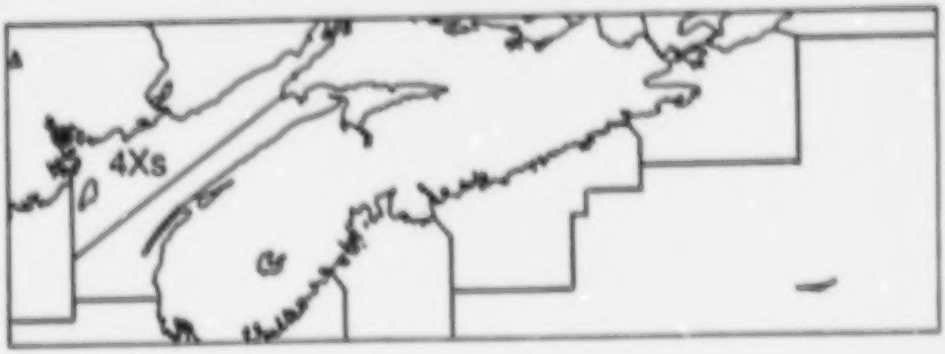
LETANG HARBOUR NB
45.06N 66.83W 1600Z 19/07/90 - 0000Z 10/10/90
INST. 62905

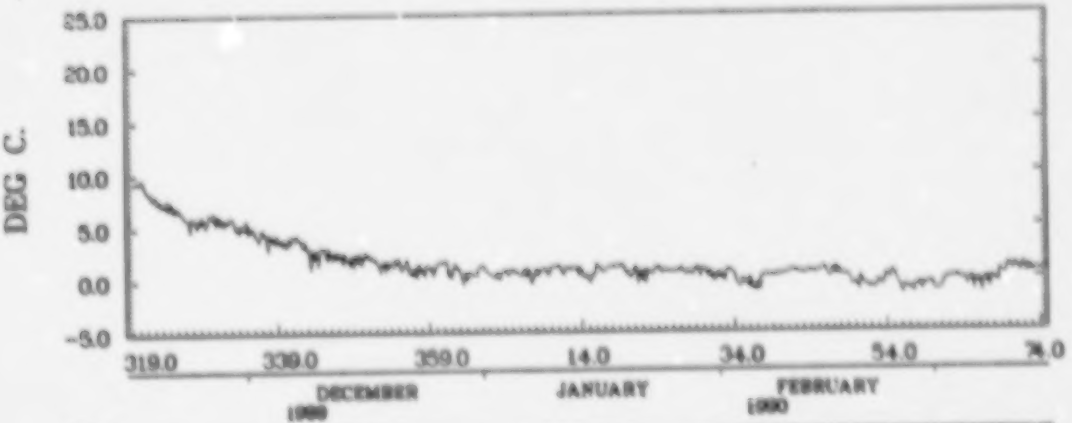
ST ANDREWS NB STA. 4XS 413

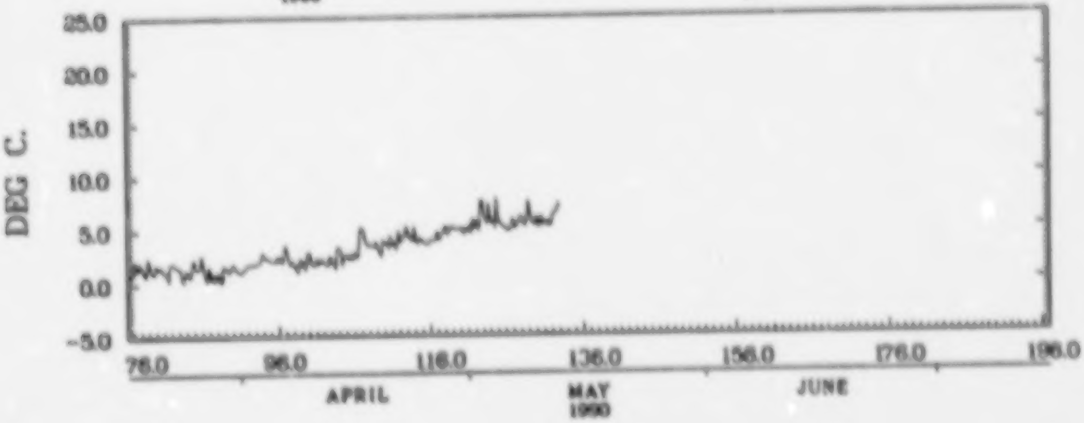
WATER DEPTH 8.0M. INST DEPTH .8M. LATITUDE 45.08 LONGITUDE 67.03 FROM 15/11/ 89 TO 12/ 5/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
319	9.2	9.2	5.2	19	1.0	188.4	45.2	84	1.4	219.0	45.2
320	9.3	18.5	10.5	20	.4	188.8	45.2	85	1.7	220.8	45.2
321	9.1	27.6	15.6	21	.4	189.3	45.2	86	1.1	221.9	45.2
322	8.0	35.6	19.6	22	.4	189.7	45.2	87	.6	222.5	45.2
323	7.5	43.1	23.1	23	.7	190.4	45.2	88	1.0	223.4	45.2
324	7.2	50.2	26.2	24	.8	191.2	45.2	89	1.4	224.8	45.2
325	6.9	57.1	29.1	25	.7	191.9	45.2	90	1.4	226.2	45.2
326	6.4	63.5	31.5	26	.7	192.6	45.2	91	1.3	227.6	45.2
327	5.7	69.1	33.1	27	.6	193.2	45.2	92	1.7	229.3	45.2
328	5.6	74.7	34.7	28	.6	193.8	45.2	93	2.2	231.4	45.2
329	5.5	80.2	36.2	29	.7	194.5	45.2	94	2.4	233.8	45.2
330	6.0	86.3	38.3	30	.6	195.1	45.2	95	2.2	236.0	45.2
331	5.7	92.0	40.0	31	.2	195.3	45.2	96	2.5	238.5	45.2
332	5.6	97.6	41.6	32	.2	195.5	45.2	97	2.2	240.7	45.2
333	5.3	103.0	43.0	33	.7	196.2	45.2	98	1.6	242.3	45.2
334	5.1	108.0	44.0	34	-.4	196.2	45.2	99	1.9	244.2	45.2
335	4.9	112.9	44.9	35	-.4	196.2	45.2	100	2.0	246.3	45.2
336	4.2	117.1	45.1	36	-.7	196.2	45.2	101	2.1	248.4	45.2
337	4.1	121.2	45.2	37	-.3	196.2	45.2	102	2.0	250.4	45.2
338	3.9	125.1	45.2	38	.3	196.4	45.2	103	2.2	252.6	45.2
339	3.6	128.7	45.2	39	.3	196.7	45.2	104	2.5	255.1	45.2
340	3.7	132.4	45.2	40	.4	197.2	45.2	105	2.5	257.6	45.2
341	4.0	136.4	45.2	41	.7	197.8	45.2	106	3.5	261.1	45.2
342	3.3	139.7	45.2	42	.6	198.4	45.2	107	4.1	265.2	45.3
343	2.2	141.9	45.2	43	.5	198.9	45.2	108	3.6	268.7	45.3
344	2.5	144.4	45.2	44	.6	199.6	45.2	109	3.3	272.0	45.3
345	2.7	147.1	45.2	45	.8	200.4	45.2	110	3.7	275.7	45.3
346	2.3	149.4	45.2	46	.4	200.8	45.2	111	3.8	279.5	45.3
347	2.2	151.6	45.2	47	.6	201.4	45.2	112	4.4	284.0	45.7
348	1.8	153.5	45.2	48	.3	201.7	45.2	113	4.4	288.4	46.1
349	2.0	155.5	45.2	49	-.3	201.7	45.2	114	3.9	292.3	46.1
350	2.2	157.6	45.2	50	-.4	201.7	45.2	115	3.7	296.0	46.1
351	2.0	159.7	45.2	51	-.8	201.7	45.2	116	4.1	300.1	46.2
352	1.4	161.1	45.2	52	-.8	201.7	45.2	117	4.5	304.6	46.7
353	1.4	162.5	45.2	53	-.3	201.7	45.2	118	4.9	309.6	47.6
354	1.6	164.0	45.2	54	.3	202.0	45.2	119	5.0	314.6	48.6
355	1.3	165.3	45.2	55	-.4	202.0	45.2	120	4.9	319.5	49.5
356	.9	166.2	45.2	56	-1.0	202.0	45.2	121	5.2	324.6	50.7
357	.9	167.2	45.2	57	-1.0	202.0	45.2	122	6.2	330.9	52.9
358	1.0	168.1	45.2	58	-.7	202.0	45.2	123	6.2	337.1	55.1
359	1.0	169.2	45.2	59	-.5	202.0	45.2	124	6.0	343.1	57.1
360	1.6	170.7	45.2	60	-1.1	202.0	45.2	125	5.4	348.4	58.5
361	1.0	171.8	45.2	61	-.4	202.0	45.2	126	5.2	353.6	59.7
362	1.1	172.8	45.2	62	.0	202.0	45.2	127	5.6	359.2	61.2
363	.3	173.1	45.2	63	.0	202.0	45.2	128	6.1	365.3	63.3
364	.5	173.6	45.2	64	-.4	202.0	45.2	129	5.8	371.0	65.1
365	.8	174.4	45.2	65	-.5	202.0	45.2	130	5.6	376.6	66.7
1	.9	175.3	45.2	66	-.6	202.0	45.2	131	5.5	382.2	68.2
2	.3	175.7	45.2	67	-.4	202.0	45.2	132	6.8	389.0	71.0
3	.5	176.2	45.2	68	.0	202.0	45.2				
4	.7	176.9	45.2	69	.6	202.7	45.2				
5	.7	177.6	45.2	70	1.0	203.7	45.2				
6	.5	178.1	45.2	71	.9	204.5	45.2				
7	.3	178.4	45.2	72	.7	205.3	45.2				
8	.7	179.1	45.2	73	.7	205.9	45.2				
9	.8	179.9	45.2	74	.6	206.5	45.2				
10	1.2	181.1	45.2	75	.6	207.1	45.2				
11	.9	181.9	45.2	76	.8	208.0	45.2				
12	1.0	182.9	45.2	77	1.7	209.7	45.2				
13	.8	183.7	45.2	78	1.4	211.1	45.2				
14	.2	184.0	45.2	79	1.4	212.4	45.2				
15	.4	184.3	45.2	80	1.4	213.9	45.2				
16	.9	185.3	45.2	81	1.2	215.0	45.2				
17	1.0	186.3	45.2	82	1.7	216.7	45.2				
18	1.2	187.4	45.2	83	.9	217.7	45.2				

STN 413 DEPTH 0M







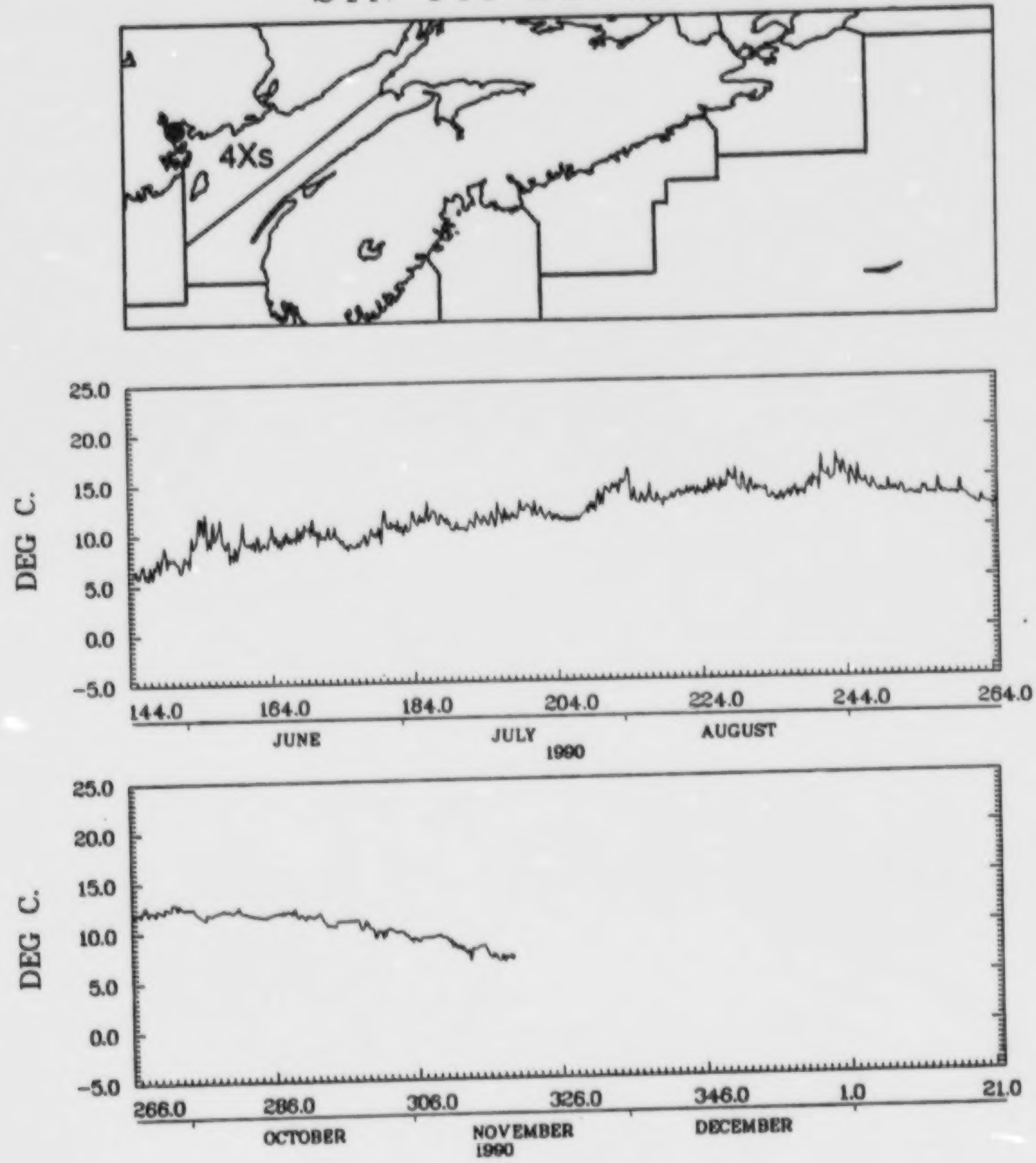
ST ANDREWS NB
45.08N 67.03W 2000Z 15/11/89 - 2000Z 12/05/90
INST. 62491

ST ANDREWS NB STA. 4XS 448

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
8.0M.	.0M.	45.08	67.03	24/ 5/ 90	15/11/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
144	6.2	6.2	2.2	209	12.7	660.9	396.9	274	12.3	1541.7	1017.7
145	6.2	12.4	4.4	210	13.5	674.4	406.4	275	11.7	1553.4	1025.4
146	6.1	18.5	6.5	211	14.1	688.5	416.5	276	11.6	1565.0	1033.0
147	6.5	25.1	9.1	212	14.4	702.9	426.9	277	11.8	1576.8	1040.8
148	7.4	32.5	12.5	213	15.2	718.2	438.2	278	12.1	1588.9	1048.9
149	7.8	40.3	16.3	214	13.5	731.7	447.7	279	12.1	1601.0	1057.0
150	7.4	47.7	19.7	215	13.0	744.7	456.7	280	12.1	1613.1	1065.1
151	6.9	54.6	22.6	216	13.3	758.0	466.0	281	12.0	1625.1	1073.1
152	8.0	62.6	26.6	217	13.0	771.0	475.0	282	11.8	1636.9	1080.9
153	9.8	72.5	32.5	218	12.8	783.8	483.8	283	11.6	1648.5	1088.5
154	11.0	83.5	39.5	219	13.1	796.9	492.9	284	11.5	1660.0	1096.0
155	9.7	93.2	45.2	220	13.5	810.4	502.4	285	11.7	1671.6	1103.6
156	10.3	103.5	51.5	221	13.5	824.0	512.0	286	11.9	1683.5	1111.5
157	9.2	112.7	56.7	222	13.9	837.8	521.8	287	11.9	1695.4	1119.4
158	8.1	120.8	60.8	223	13.7	851.6	531.6	288	12.0	1707.4	1127.4
159	8.8	129.7	65.7	224	13.7	865.3	541.3	289	11.6	1719.0	1135.0
160	9.5	139.2	71.2	225	14.3	879.6	551.6	290	11.4	1730.4	1142.4
161	9.0	148.1	76.1	226	14.2	893.7	561.7	291	11.5	1741.9	1149.9
162	9.1	157.2	81.2	227	14.8	908.5	572.5	292	11.5	1753.4	1157.4
163	9.1	166.3	86.3	228	15.1	923.6	583.6	293	10.7	1764.1	1164.1
164	9.7	176.0	92.0	229	14.4	938.0	594.0	294	10.7	1774.8	1170.8
165	9.2	185.2	97.2	230	14.1	952.1	604.1	295	11.0	1785.7	1177.7
166	9.6	194.8	102.8	231	13.9	966.0	614.0	296	11.0	1796.7	1184.7
167	9.8	204.6	108.6	232	13.9	979.9	623.9	297	11.0	1807.7	1191.7
168	10.1	214.8	114.8	233	13.1	993.0	633.0	298	10.5	1818.2	1196.2
169	10.7	225.5	121.5	234	12.9	1005.9	641.9	299	10.3	1828.5	1204.5
170	9.9	235.4	127.4	235	13.1	1019.1	651.1	300	9.7	1838.3	1210.3
171	9.7	245.1	133.1	236	13.5	1032.6	660.6	301	9.8	1848.1	1216.1
172	10.0	255.1	139.1	237	13.5	1046.1	670.1	302	10.0	1858.1	1222.1
173	9.4	264.5	144.5	238	13.7	1059.8	679.8	303	9.8	1867.9	1227.9
174	8.7	273.3	149.3	239	14.6	1074.4	690.4	304	9.5	1877.4	1233.4
175	8.7	282.0	154.0	240	15.2	1089.7	701.7	305	9.0	1886.4	1238.4
176	9.1	291.0	159.0	241	15.2	1104.9	712.9	306	9.0	1895.5	1243.5
177	9.5	300.5	164.5	242	15.5	1120.4	724.4	307	9.2	1904.7	1248.7
178	9.9	310.4	170.4	243	16.0	1136.4	736.4	308	9.3	1914.0	1254.0
179	10.7	321.1	177.1	244	15.2	1151.6	747.6	309	9.3	1923.2	1259.2
180	10.8	331.8	183.8	245	15.0	1166.6	758.6	310	8.8	1932.0	1264.0
181	10.7	342.5	190.5	246	14.6	1181.1	769.1	311	8.3	1940.4	1268.4
182	10.4	352.9	196.9	247	14.1	1195.2	779.2	312	7.9	1948.3	1272.3
183	10.9	363.7	203.7	248	13.8	1209.0	789.0	313	7.6	1955.9	1275.9
184	11.2	374.9	210.9	249	13.7	1222.7	798.7	314	8.1	1964.0	1280.0
185	11.6	386.5	218.5	250	13.7	1236.5	808.5	315	8.1	1972.1	1284.1
186	11.7	398.2	226.2	251	13.7	1250.2	818.2	316	7.3	1979.3	1287.3
187	11.3	409.5	233.5	252	13.3	1263.5	827.5	317	7.0	1986.4	1290.4
188	11.1	420.6	240.6	253	13.2	1276.7	836.7	318	7.1	1993.4	1293.4
189	10.4	431.0	247.0	254	13.4	1290.0	846.0	319	7.1	2000.6	1296.6
190	10.4	441.4	253.4	255	13.4	1303.4	855.4				
191	10.5	451.9	259.9	256	13.6	1317.0	865.0				
192	11.1	463.0	267.0	257	13.3	1330.3	874.3				
193	11.1	474.1	274.1	258	13.2	1343.5	883.5				
194	11.2	485.3	281.3	259	13.5	1357.0	893.0				
195	11.5	496.7	288.7	260	13.1	1370.2	902.2				
196	11.6	508.3	296.3	261	12.5	1382.7	910.7				
197	11.5	519.8	303.8	262	12.4	1395.1	919.1				
198	11.8	531.7	311.7	263	12.2	1407.3	927.3				
199	12.3	544.0	320.0	264	12.1	1419.4	935.4				
200	12.2	556.2	328.2	265	11.9	1431.3	943.3				
201	11.9	568.1	336.1	266	11.9	1443.1	951.1				
202	11.5	579.7	343.7	267	12.1	1455.2	959.2				
203	11.4	591.0	351.0	268	12.2	1467.4	967.4				
204	11.2	602.2	358.2	269	12.1	1479.5	975.5				
205	11.1	613.3	365.3	270	12.2	1491.7	983.7				
206	11.1	624.5	372.5	271	12.5	1504.3	992.3				
207	11.5	636.0	380.0	272	12.7	1516.9	1000.9				
208	12.2	648.1	388.1	273	12.4	1529.3	1009.3				

STN 448 DEPTH 0M



ST ANDREWS NB
45.08N 67.03W 1600Z 24/05/90 - 0800Z 15/11/90
INST. 63366

GULF OF ST LAWRENCE

Daily Mean Temperatures, Accumulative Degree Days relative to 0° and 4°C and Temperature Plots

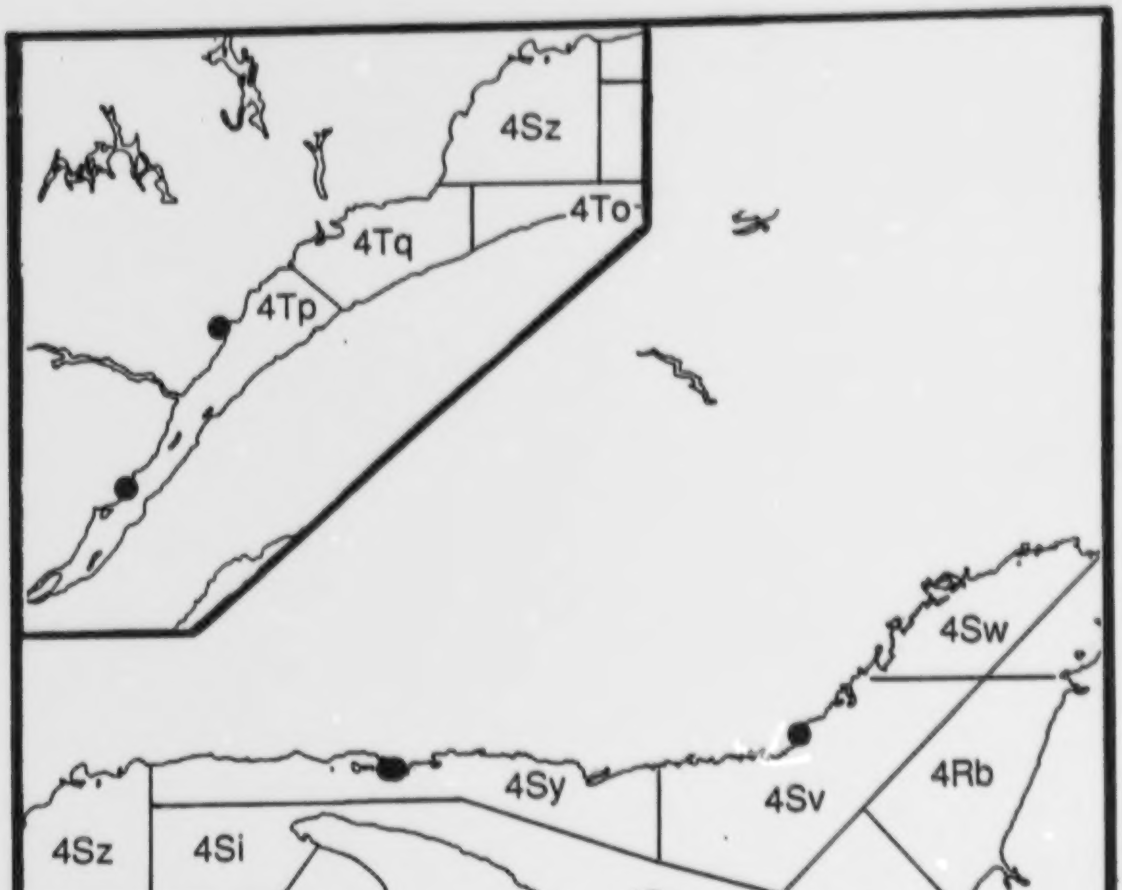

4Sz
4To
4Tq
4Tp
4Sw
4Rb
4Sy
4Sv
4Sz
4Si
4Sx
4To
4Rc
4Ss
4Tn
4Rd
4Tm
4Tk
4Tf
4Tl
4Tj
4Tg
4Th

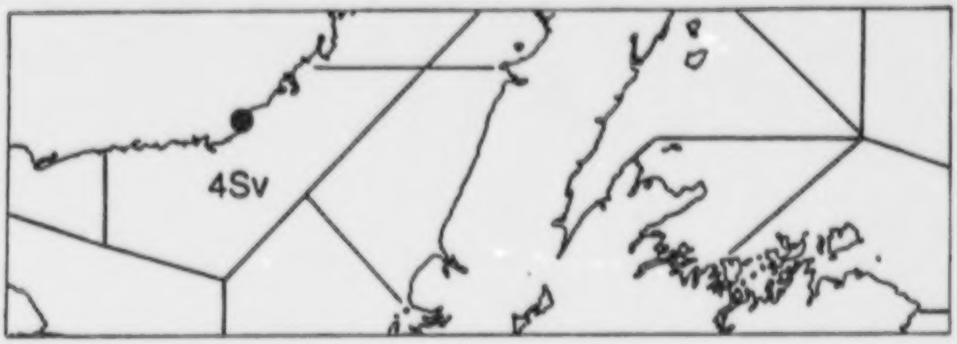
Figure 3. Mooring sites of Gulf of St. Lawrence Unit Areas

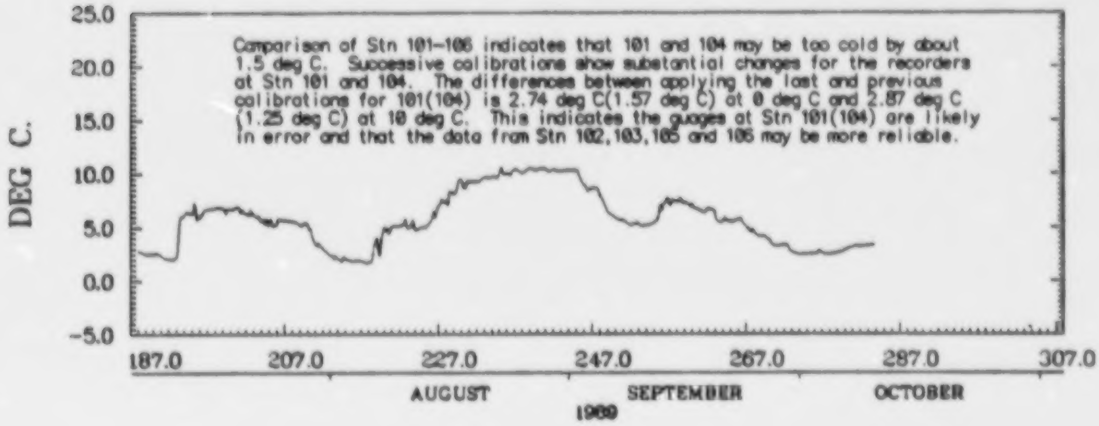
BAIE BUSSIERE PQ (LA TABATIERE) STA. 45V 101

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
14.0M.	10.0M.	50.35	59.85	6/ 7/ 89	10/10/ 89

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
187	2.8	2.8	.0	252	5.3	410.4	169.7				
188	2.7	5.5	.0	253	5.1	415.5	170.8				
189	2.5	8.1	.0	254	5.3	420.8	172.1				
190	2.5	10.6	.0	255	6.1	426.9	174.2				
191	2.2	12.7	.0	256	7.3	434.2	177.5				
192	2.1	14.8	.0	257	7.3	441.5	180.8				
193	5.0	19.8	1.0	258	7.4	448.9	184.2				
194	6.3	26.1	3.3	259	7.1	456.0	187.4				
195	6.4	32.5	5.7	260	6.7	462.8	190.1				
196	6.4	38.9	8.1	261	6.5	469.2	192.5				
197	6.7	45.7	10.9	262	6.6	475.9	195.2				
198	6.8	52.5	13.7	263	5.5	481.4	196.7				
199	6.6	59.1	16.3	264	5.6	487.0	198.3				
200	6.8	65.9	19.1	265	5.6	492.6	199.9				
201	6.5	72.4	21.6	266	5.5	498.0	201.3				
202	6.3	78.7	23.9	267	4.7	502.8	202.1				
203	6.0	84.7	25.9	268	4.3	507.0	202.3				
204	5.6	90.2	27.4	269	4.1	511.1	202.4				
205	5.3	95.6	28.8	270	3.4	514.5	202.4				
206	5.6	101.2	30.4	271	3.3	517.8	202.4				
207	5.6	106.8	32.0	272	3.1	520.9	202.4				
208	5.5	112.2	33.4	273	2.5	523.4	202.4				
209	5.3	117.5	34.7	274	2.4	525.8	202.4				
210	4.4	122.0	35.2	275	2.5	528.3	202.4				
211	3.3	125.3	35.2	276	2.6	530.9	202.4				
212	2.7	128.0	35.2	277	2.5	533.4	202.4				
213	2.2	130.2	35.2	278	2.5	535.9	202.4				
214	2.0	132.2	35.2	279	2.7	538.6	202.4				
215	1.9	134.1	35.2	280	3.0	541.6	202.4				
216	1.9	136.0	35.2	281	3.2	544.8	202.4				
217	1.8	137.7	35.2	282	3.2	548.0	202.4				
218	2.5	140.2	35.2	283	3.3	551.3	202.4				
219	3.6	143.9	35.2								
220	4.8	148.6	35.9								
221	5.1	153.7	37.0								
222	5.3	159.0	38.3								
223	5.1	164.1	39.4								
224	4.8	169.0	40.3								
225	5.1	174.1	41.4								
226	6.2	180.3	43.6								
227	7.3	187.6	46.9								
228	7.9	195.5	50.8								
229	8.9	204.4	55.7								
230	9.0	213.4	60.7								
231	9.2	222.6	65.9								
232	9.4	232.0	71.3								
233	9.6	241.6	76.9								
234	9.7	251.3	82.6								
235	10.1	261.5	88.8								
236	10.1	271.6	94.9								
237	10.3	281.8	101.1								
238	10.3	292.1	107.4								
239	10.4	302.5	113.8								
240	10.5	313.0	120.3								
241	10.3	323.2	126.5								
242	10.3	333.5	132.8								
243	10.3	343.8	139.1								
244	10.3	354.1	145.4								
245	9.5	363.6	150.9								
246	8.6	372.2	155.5								
247	8.5	380.7	160.0								
248	7.2	387.9	163.2								
249	6.1	394.0	165.3								
250	5.7	399.7	167.0								
251	5.4	405.1	168.4								

STN 101 DEPTH 10M





Comparison of Stn 101-106 indicates that 101 and 104 may be too cold by about 1.5 deg C. Successive calibrations show substantial changes for the recorders at Stn 101 and 104. The differences between applying the last and previous calibrations for 101(104) is 2.74 deg C(1.57 deg C) at 0 deg C and 2.87 deg C (1.25 deg C) at 10 deg C. This indicates the guages at Stn 101(104) are likely in error and that the data from Stn 102,103,105 and 106 may be more reliable.

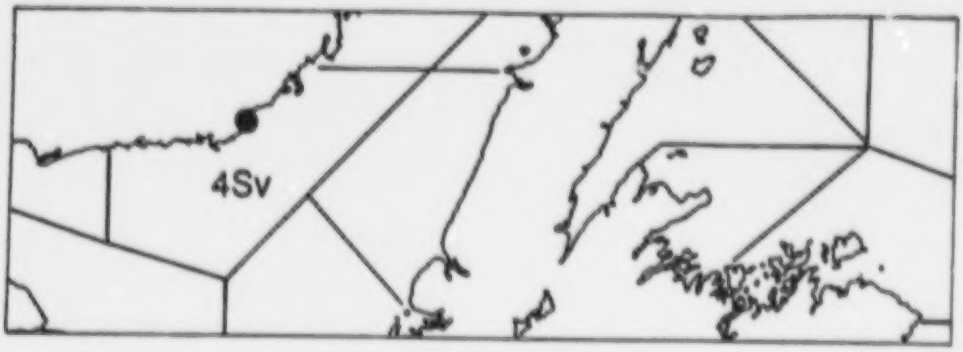
BAIE BUSSIERE PQ (LA TABATIERE)
50.35N 59.85W 2105Z 06/07/89 - 1705Z 10/10/89
INST. 63346

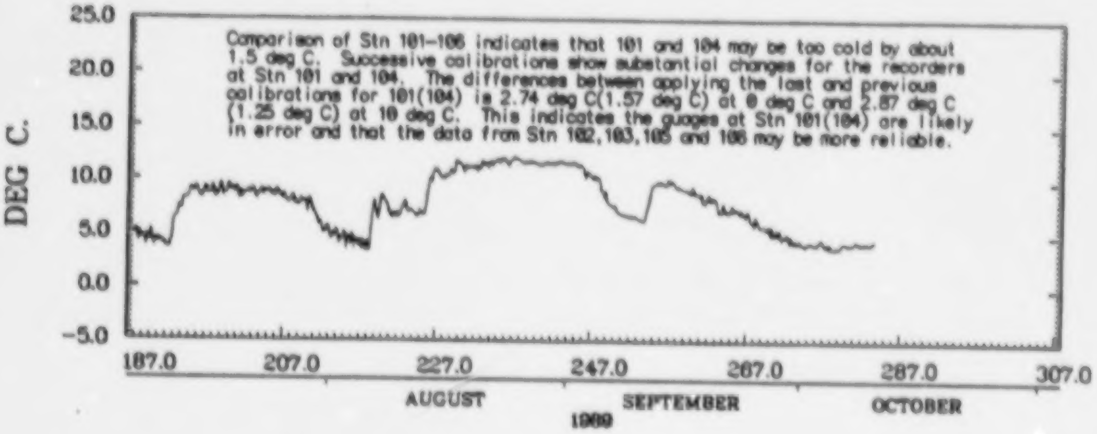
BAIE BUSSIERE PQ (LA TABATIERE) STA. 4SV 102

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
15.0M.	5.0M.	50.35	59.85	6/ 7/ 89	10/10/ 89

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
187	5.1	5.1	1.1	252	6.6	556.6	292.6				
188	4.7	9.8	1.8	253	6.4	562.9	294.9				
189	4.5	14.2	2.2	254	8.4	571.3	299.3				
190	4.4	18.6	2.6	255	9.8	581.1	305.1				
191	4.1	22.8	2.8	256	9.8	590.8	310.9				
192	4.3	27.1	3.1	257	9.7	600.6	316.6				
193	7.0	34.0	6.0	258	9.3	609.8	321.9				
194	8.3	42.3	10.3	259	9.1	618.9	326.9				
195	9.1	51.4	15.4	260	8.8	627.7	331.7				
196	8.7	60.0	20.0	261	8.2	636.0	336.0				
197	8.9	69.0	25.0	262	8.4	644.3	340.3				
198	8.8	77.8	29.8	263	7.4	651.7	343.8				
199	9.0	86.8	34.8	264	7.2	658.9	346.9				
200	9.1	95.9	39.9	265	7.3	666.3	350.3				
201	8.7	104.5	44.5	266	6.9	673.2	353.2				
202	8.8	113.3	49.3	267	6.4	679.7	355.7				
203	8.6	122.0	54.0	268	6.1	685.8	357.8				
204	8.9	130.9	58.9	269	5.7	691.4	359.5				
205	8.7	139.5	63.5	270	5.2	696.7	360.7				
206	8.6	148.2	68.2	271	4.9	701.6	361.6				
207	8.1	156.3	72.3	272	4.7	706.3	362.3				
208	8.0	164.3	76.3	273	4.3	710.6	362.6				
209	8.0	172.2	80.2	274	4.1	714.7	362.8				
210	7.7	179.9	83.9	275	4.2	718.9	362.9				
211	6.3	186.2	86.2	276	4.4	723.3	363.3				
212	5.4	191.6	87.6	277	4.0	727.3	363.3				
213	4.9	196.5	88.5	278	3.8	731.1	363.3				
214	4.7	201.2	89.2	279	4.1	735.2	363.4				
215	4.4	205.6	89.6	280	4.1	739.3	363.6				
216	4.2	209.8	89.8	281	4.3	743.6	363.9				
217	4.0	213.8	89.8	282	4.2	747.9	364.1				
218	5.7	219.5	91.5	283	4.3	752.2	364.4				
219	7.5	227.0	95.0								
220	7.8	234.8	98.8								
221	6.8	241.6	101.6								
222	7.3	248.8	104.9								
223	7.2	256.1	108.1								
224	6.8	262.9	111.0								
225	7.4	270.3	114.3								
226	10.4	280.7	120.7								
227	10.5	291.2	127.3								
228	10.5	301.7	133.8								
229	11.2	313.0	141.0								
230	11.2	324.2	148.2								
231	11.2	335.4	155.4								
232	11.3	346.7	162.7								
233	11.5	358.2	170.2								
234	11.8	370.0	178.0								
235	11.9	381.9	185.9								
236	11.7	393.6	193.6								
237	12.0	405.6	201.6								
238	11.7	417.2	209.2								
239	11.7	428.9	217.0								
240	11.5	440.4	224.5								
241	11.6	452.1	232.1								
242	11.6	463.7	239.7								
243	11.6	475.3	247.4								
244	11.6	486.9	254.9								
245	11.4	498.3	262.3								
246	10.7	508.9	269.0								
247	10.3	519.2	275.2								
248	9.1	528.3	280.3								
249	7.8	536.0	284.1								
250	7.1	543.2	287.2								
251	6.8	549.9	290.0								

STN 102 DEPTH 5M




Comparison of Stn 101–106 indicates that 101 and 104 may be too cold by about 1.5 deg C. Successive calibrations show substantial changes for the recorders at Stn 101 and 104. The differences between applying the last and previous calibrations for 101(104) is 2.74 deg C(1.57 deg C) at 0 deg C and 2.87 deg C (1.25 deg C) at 10 deg C. This indicates the guages at Stn 101(104) are likely in error and that the data from Stn 102,103,105 and 106 may be more reliable.

DEG C.
25.0
20.0
15.0
10.0
5.0
0.0
-5.0
187.0
207.0
227.0
247.0
267.0
287.0
307.0
AUGUST
SEPTEMBER
OCTOBER
1989

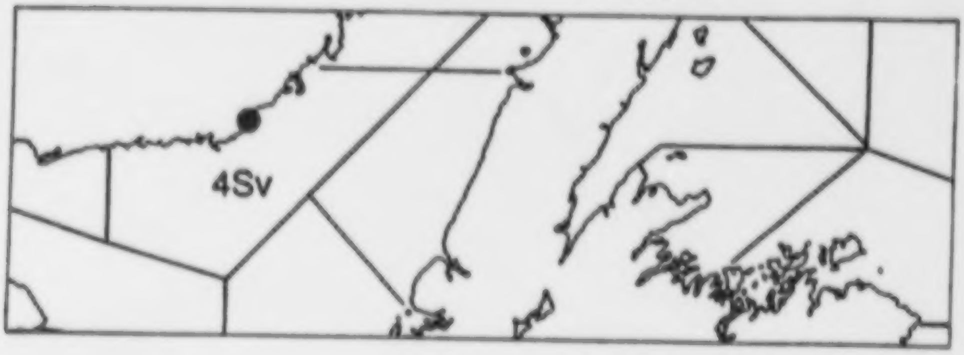
BAIE BUSSIERE PQ (LA TABATIERE)
50.35N 59.85W 2115Z 06/07/89 - 1715Z 10/10/89
INST. 63318

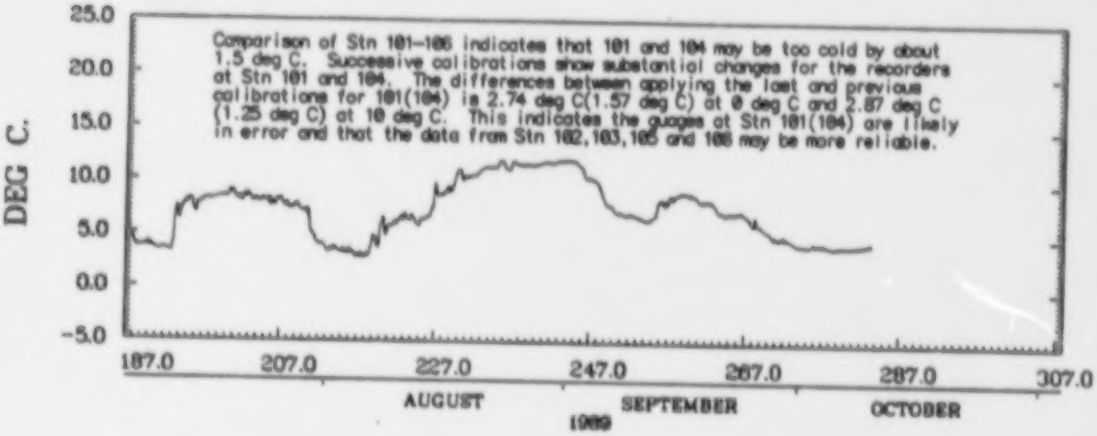
BAIE BUSSIERE PQ (LA TABATIERE) STA. 4SV 103

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
15.0M.	10.0M.	50.35	59.85	6/ 7/ 89	10/10/ 89

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
187	4.8	4.8	.8	252	6.9	512.8	254.3				
188	3.9	8.7	.8	253	6.7	519.5	257.0				
189	3.9	12.5	.8	254	6.5	526.0	259.5				
190	3.7	16.2	.8	255	7.5	533.5	262.9				
191	3.5	19.7	.8	256	8.2	541.6	267.1				
192	3.5	23.2	.8	257	8.6	550.3	271.7				
193	6.0	29.2	2.8	258	8.9	559.2	276.7				
194	7.6	36.8	6.4	259	8.9	568.1	281.6				
195	7.8	44.6	10.3	260	8.7	576.8	286.3				
196	7.7	52.4	14.0	261	8.2	585.0	290.5				
197	8.2	60.6	18.2	262	8.2	593.2	294.7				
198	8.3	68.9	22.5	263	7.4	600.7	298.2				
199	8.5	77.3	26.9	264	7.1	607.8	301.3				
200	8.7	86.1	31.7	265	7.2	615.0	304.5				
201	8.4	94.4	36.1	266	7.2	622.2	307.7				
202	8.5	103.0	40.6	267	6.6	628.8	310.3				
203	8.2	111.2	44.8	268	6.3	635.0	312.5				
204	8.1	119.3	48.9	269	5.7	640.7	314.2				
205	8.0	127.3	53.0	270	5.1	645.8	315.3				
206	8.1	135.4	57.0	271	4.9	650.7	316.2				
207	7.8	143.2	60.9	272	4.7	655.5	316.9				
208	7.5	150.7	64.3	273	4.4	659.8	317.3				
209	7.4	158.1	67.8	274	4.2	664.0	317.5				
210	6.7	164.8	70.4	275	4.3	668.3	317.8				
211	4.6	169.4	71.0	276	4.3	672.6	318.1				
212	3.9	173.3	71.0	277	4.2	676.8	318.3				
213	3.6	176.9	71.0	278	4.1	680.9	318.4				
214	3.5	180.4	71.0	279	4.2	685.1	318.5				
215	3.4	183.8	71.0	280	4.2	689.2	318.7				
216	3.2	187.0	71.0	281	4.2	693.4	318.9				
217	3.0	189.9	71.0	282	4.3	697.7	319.2				
218	3.6	193.5	71.0	283	4.4	702.1	319.6				
219	4.7	198.2	71.7								
220	5.8	204.0	73.5								
221	5.9	209.9	75.4								
222	6.5	216.5	78.0								
223	6.6	223.1	80.5								
224	6.1	229.2	82.7								
225	6.5	235.7	85.2								
226	7.5	243.2	88.7								
227	8.9	252.1	93.5								
228	9.1	261.2	98.6								
229	10.0	271.2	104.7								
230	10.6	281.8	111.3								
231	10.4	292.2	117.7								
232	10.8	303.0	124.5								
233	11.3	314.2	131.7								
234	11.3	325.5	139.0								
235	11.7	337.3	146.8								
236	11.3	348.6	154.0								
237	11.7	360.2	161.7								
238	11.6	371.8	169.3								
239	11.5	383.3	176.8								
240	11.7	395.0	184.5								
241	11.8	406.8	192.3								
242	11.8	418.6	200.1								
243	12.0	430.6	208.1								
244	12.0	442.6	216.1								
245	11.6	454.2	223.7								
246	10.5	464.8	230.2								
247	10.2	474.9	236.4								
248	8.9	483.9	241.3								
249	7.8	491.7	245.2								
250	7.2	498.9	248.4								
251	7.0	505.9	251.4								

STN 103 DEPTH 10M





Comparison of Stn 101-106 indicates that 101 and 104 may be too cold by about 1.5 deg C. Successive calibrations show substantial changes for the recorders at Stn 101 and 104. The differences between applying the last and previous calibrations for 101(104) is 2.74 deg C(1.57 deg C) at 0 deg C and 2.87 deg C (1.25 deg C) at 10 deg C. This indicates the guages at Stn 101(104) are likely in error and that the data from Stn 102,103,105 and 106 may be more reliable.

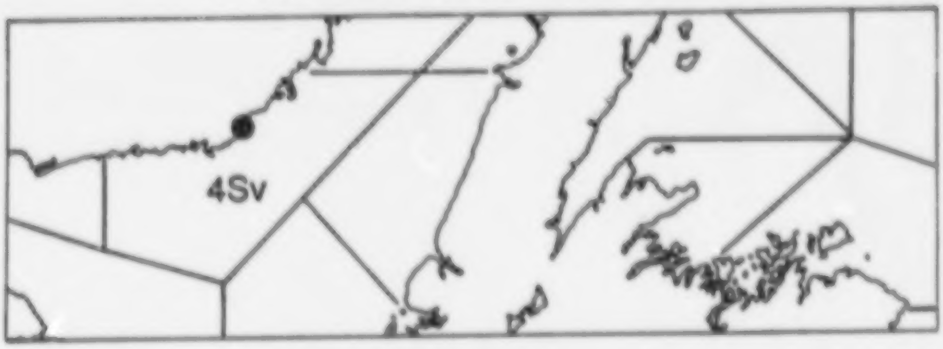
BAIE BUSSIERE PQ (LA TABATIERE)
50.35N 59.85W 2115Z 06/07/89 - 1315Z 10/10/89
INST. 64172

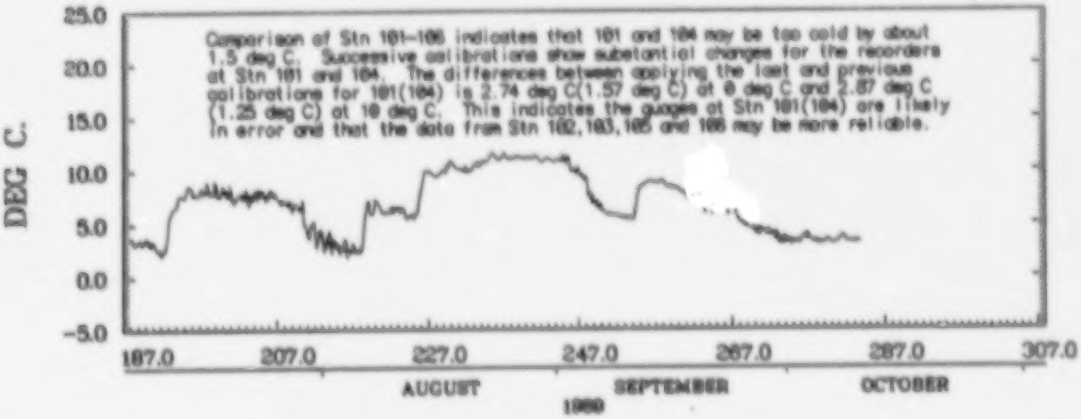
BAIE BUSSIERE PQ (LA TABATIERE) STA. 4SV 104

WATER DEPTH 14.0M. INST DEPTH 5.0M. LATITUDE 50.35 LONGITUDE 59.85 FROM 6/ 7/ 89 TO 10/10/ 89

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
187	3.7	3.7	.0	252	5.6	489.7	236.4				
188	3.4	7.0	.0	253	5.5	495.2	237.8				
189	3.3	10.4	.0	254	7.0	502.1	240.8				
190	3.2	13.6	.0	255	8.6	510.8	245.4				
191	2.8	16.4	.0	256	8.9	519.6	250.3				
192	2.9	19.2	.0	257	8.9	528.5	255.2				
193	6.2	25.4	2.2	258	8.5	537.1	259.7				
194	7.5	32.9	5.6	259	8.3	545.4	264.1				
195	8.2	41.1	9.8	260	7.9	553.3	267.9				
196	7.8	48.9	13.6	261	7.5	560.7	271.4				
197	8.2	57.1	17.9	262	7.8	568.5	275.2				
198	8.1	65.2	22.0	263	6.5	575.0	277.7				
199	7.9	73.2	25.9	264	6.4	581.4	280.0				
200	8.1	81.2	30.0	265	6.6	588.0	282.7				
201	7.3	88.6	33.4	266	6.4	594.4	285.0				
202	7.6	96.2	37.0	267	5.9	600.2	286.9				
203	7.5	103.7	40.5	268	5.0	605.2	287.9				
204	7.9	111.6	44.4	269	4.7	609.9	288.6				
205	7.6	119.3	48.0	270	4.3	614.2	288.8				
206	7.9	127.1	51.9	271	4.2	618.4	289.0				
207	7.2	134.3	55.1	272	3.9	622.3	289.0				
208	7.0	141.3	58.0	273	3.3	625.6	289.0				
209	6.6	147.9	60.6	274	3.3	628.8	289.0				
210	5.8	153.6	62.4	275	3.3	632.1	289.0				
211	4.6	158.2	63.0	276	3.7	635.8	289.0				
212	3.8	162.1	63.0	277	3.4	639.2	289.0				
213	3.4	165.4	63.0	278	3.2	642.4	289.0				
214	3.1	168.5	63.0	279	3.3	645.7	289.0				
215	2.7	171.3	63.0	280	3.2	648.9	289.0				
216	2.6	173.8	63.0	281	3.6	652.5	289.0				
217	2.5	176.3	63.0	282	3.3	655.8	289.0				
218	4.5	180.9	63.6	283	3.3	659.1	289.0				
219	6.5	187.4	66.0								
220	6.7	194.0	68.7								
221	6.1	200.1	70.8								
222	6.4	206.5	73.2								
223	6.4	212.9	75.5								
224	5.7	218.6	77.2								
225	6.3	224.9	79.6								
226	9.6	234.5	85.1								
227	9.7	244.2	90.8								
228	9.7	253.9	96.6								
229	10.3	264.2	102.9								
230	10.4	274.7	109.3								
231	10.1	284.8	115.4								
232	10.1	294.8	121.5								
233	10.6	305.4	128.1								
234	10.8	316.2	134.9								
235	11.4	327.6	142.3								
236	11.1	338.8	149.4								
237	11.3	350.0	156.7								
238	11.2	361.3	163.9								
239	11.2	372.4	171.1								
240	11.2	383.6	178.3								
241	11.1	394.7	185.4								
242	11.0	405.7	192.3								
243	10.9	416.6	199.3								
244	11.0	427.6	206.3								
245	10.8	438.4	213.1								
246	10.0	448.4	219.1								
247	9.4	457.8	224.5								
248	7.6	465.5	228.1								
249	6.8	472.3	230.9								
250	6.0	478.3	233.0								
251	5.8	484.1	234.8								

STN 104 DEPTH 5M




Comparison of Stn 101-106 indicates that 101 and 104 may be too cold by about 1.5 deg C. Successive calibrations show substantial changes for the recorders at Stn 101 and 104. The differences between applying the last and previous calibrations for 101(104) is 2.74 deg C(1.57 deg C) at 0 deg C and 2.87 deg C (1.25 deg C) at 10 deg C. This indicates the guages at Stn 101(104) are likely in error and that the data from Stn 102,103,105 and 106 may be more reliable.

25.0
20.0
15.0
10.0
5.0
0.0
-5.0
DEG C.
187.0
207.0
227.0
247.0
267.0
287.0
307.0
AUGUST
SEPTEMBER
OCTOBER
1989

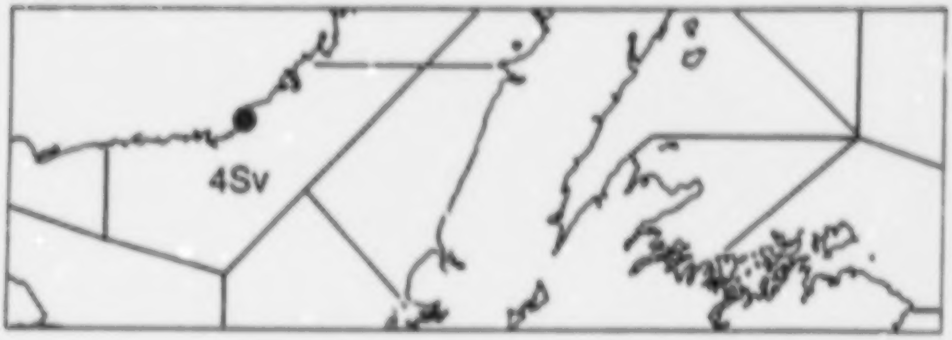
BAIE BUSSIERE PQ (LA TABATIERE)
50.35N 59.85W 2105Z 06/07/89 - 1705Z 10/10/89
INST. 64174

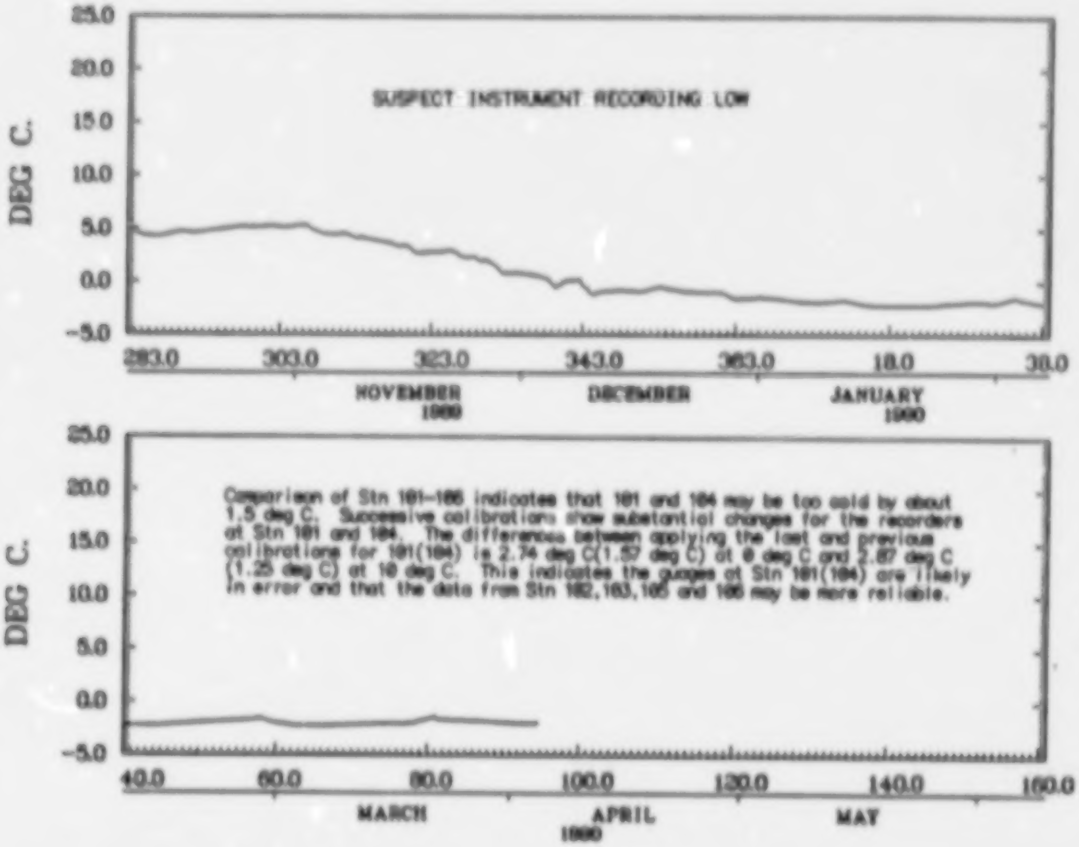
BAIE BUSSIERE PQ (LA TABATIERE) STA. 4SV 105

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
15.0M.	10.0M.	50.35	59.85	10/10/ 89	4/ 4/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
283	4.7	4.7	.7	348	-.8	204.4	23.6	48	-2.1	204.4	23.6
284	4.5	9.2	1.2	349	-.8	204.4	23.6	49	-2.0	204.4	23.6
285	4.3	13.5	1.5	350	-.9	204.4	23.6	50	-2.0	204.4	23.6
286	4.3	17.8	1.8	351	-.7	204.4	23.6	51	-1.9	204.4	23.6
287	4.3	22.1	2.1	352	-.6	204.4	23.6	52	-1.9	204.4	23.6
288	4.4	26.5	2.5	353	-.5	204.4	23.6	53	-1.8	204.4	23.6
289	4.6	31.1	3.1	354	-.6	204.4	23.6	54	-1.8	204.4	23.6
290	4.7	35.8	3.8	355	-.8	204.4	23.6	55	-1.7	204.4	23.6
291	4.6	40.4	4.4	356	-.9	204.4	23.6	56	-1.7	204.4	23.6
292	4.6	45.0	5.0	357	-.9	204.4	23.6	57	-1.6	204.4	23.6
293	4.7	49.7	5.7	358	-.9	204.4	23.6	58	-1.6	204.4	23.6
294	4.8	54.6	6.6	359	-.9	204.4	23.6	59	-1.9	204.4	23.6
295	4.9	59.5	7.5	360	-.9	204.4	23.6	60	-2.0	204.4	23.6
296	5.0	64.6	8.6	361	-1.0	204.4	23.6	61	-2.1	204.4	23.6
297	5.1	69.7	9.7	362	-1.4	204.4	23.6	62	-2.2	204.4	23.6
298	5.2	74.9	10.9	363	-1.5	204.4	23.6	63	-2.3	204.4	23.6
299	5.1	80.0	12.0	364	-1.5	204.4	23.6	64	-2.3	204.4	23.6
300	5.2	85.2	13.2	365	-1.4	204.4	23.6	65	-2.3	204.4	23.6
301	5.2	90.4	14.4	1	-1.4	204.4	23.6	66	-2.2	204.4	23.6
302	5.2	95.6	15.6	2	-1.5	204.4	23.6	67	-2.2	204.4	23.6
303	5.1	100.7	16.7	3	-1.5	204.4	23.6	68	-2.2	204.4	23.6
304	5.2	105.9	17.9	4	-1.6	204.4	23.6	69	-2.2	204.4	23.6
305	5.3	111.2	19.2	5	-1.7	204.4	23.6	70	-2.1	204.4	23.6
306	5.3	116.4	20.4	6	-1.8	204.4	23.6	71	-2.1	204.4	23.6
307	4.8	121.2	21.2	7	-1.8	204.4	23.6	72	-2.1	204.4	23.6
308	4.5	125.8	21.8	8	-1.9	204.4	23.6	73	-2.0	204.4	23.6
309	4.4	130.2	22.2	9	-1.8	204.4	23.6	74	-2.0	204.4	23.6
310	4.4	134.7	22.7	10	-1.8	204.4	23.6	75	-2.0	204.4	23.6
311	4.5	139.2	23.2	11	-1.7	204.4	23.6	76	-2.0	204.4	23.6
312	4.3	143.4	23.4	12	-1.7	204.4	23.6	77	-2.0	204.4	23.6
313	4.2	147.6	23.6	13	-1.9	204.4	23.6	78	-1.9	204.4	23.6
314	4.0	151.6	23.6	14	-2.0	204.4	23.6	79	-1.7	204.4	23.6
315	3.9	155.5	23.6	15	-2.1	204.4	23.6	80	-1.5	204.4	23.6
316	3.8	159.3	23.6	16	-2.2	204.4	23.6	81	-1.6	204.4	23.6
317	3.6	162.9	23.6	17	-2.2	204.4	23.6	82	-1.7	204.4	23.6
318	3.4	166.3	23.6	18	-2.2	204.4	23.6	83	-1.7	204.4	23.6
319	3.4	169.7	23.6	19	-2.2	204.4	23.6	84	-1.7	204.4	23.6
320	3.0	172.7	23.6	20	-2.1	204.4	23.6	85	-1.7	204.4	23.6
321	2.7	175.4	23.6	21	-2.1	204.4	23.6	86	-1.8	204.4	23.6
322	2.8	178.2	23.6	22	-2.2	204.4	23.6	87	-1.8	204.4	23.6
323	2.8	181.0	23.6	23	-2.1	204.4	23.6	88	-1.8	204.4	23.6
324	2.8	183.8	23.6	24	-2.1	204.4	23.6	89	-1.9	204.4	23.6
325	2.9	186.7	23.6	25	-2.0	204.4	23.6	90	-1.9	204.4	23.6
326	2.6	189.3	23.6	26	-1.9	204.4	23.6	91	-2.0	204.4	23.6
327	2.3	191.6	23.6	27	-1.9	204.4	23.6	92	-2.0	204.4	23.6
328	2.3	193.9	23.6	28	-1.8	204.4	23.6	93	-2.0	204.4	23.6
329	2.0	195.9	23.6	29	-1.8	204.4	23.6	94	-1.9	204.4	23.6
330	1.9	197.9	23.6	30	-1.9	204.4	23.6				
331	1.5	199.4	23.6	31	-1.9	204.4	23.6				
332	.9	200.3	23.6	32	-1.8	204.4	23.6				
333	.8	201.2	23.6	33	-1.6	204.4	23.6				
334	.8	202.0	23.6	34	-1.4	204.4	23.6				
335	.7	202.7	23.6	35	-1.6	204.4	23.6				
336	.7	203.4	23.6	36	-1.8	204.4	23.6				
337	.5	203.9	23.6	37	-1.9	204.4	23.6				
338	.2	204.1	23.6	38	-2.0	204.4	23.6				
339	-.3	204.1	23.6	39	-2.2	204.4	23.6				
340	.0	204.1	23.6	40	-2.2	204.4	23.6				
341	.1	204.2	23.6	41	-2.2	204.4	23.6				
342	.1	204.4	23.6	42	-2.2	204.4	23.6				
343	-.6	204.4	23.6	43	-2.2	204.4	23.6				
344	-1.1	204.4	23.6	44	-2.2	204.4	23.6				
345	-.9	204.4	23.6	45	-2.2	204.4	23.6				
346	-.8	204.4	23.6	46	-2.2	204.4	23.6				
347	-.8	204.4	23.6	47	-2.1	204.4	23.6				

STN 105 DEPTH 10M




SUSPECT INSTRUMENT RECORDING LOW

Comparison of Stn 101–106 indicates that 101 and 104 may be too cold by about 1.5 deg C. Successive calibrations show substantial changes for the recorders at Stn 101 and 104. The differences between applying the last and previous calibrations for 101(104) is 2.74 deg C(1.57 deg C) at 0 deg C and 2.87 deg C (1.25 deg C) at 10 deg C. This indicates the gauges at Stn 101(104) are likely in error and that the data from Stn 102,103,105 and 106 may be more reliable.

DEG C.
25.0
20.0
15.0
10.0
5.0
0.0
-5.0
283.0
303.0
323.0
343.0
363.0
18.0
38.0
NOVEMBER
1989
DECEMBER
JANUARY
1990
DEG C.
25.0
20.0
15.0
10.0
5.0
0.0
-5.0
40.0
60.0
80.0
100.0
120.0
140.0
160.0
MARCH
APRIL
1990
MAY

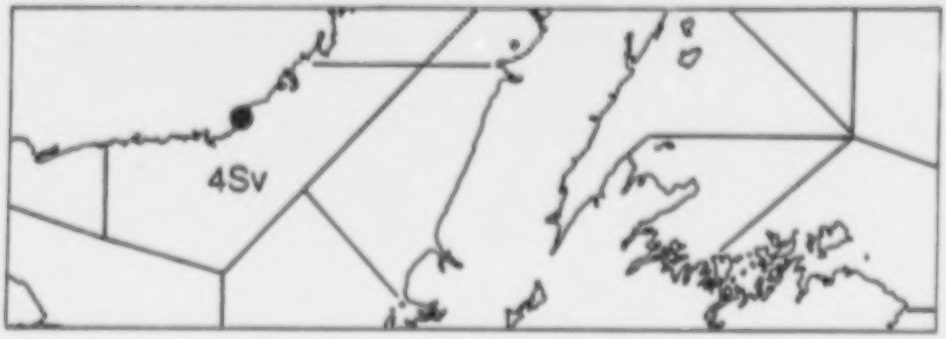
BAIE BUSSIERE PQ (LA TABATIERE)
50.35N 59.85W 2050Z 10/10/89 - 1650Z 04/04/90
INST. 63311

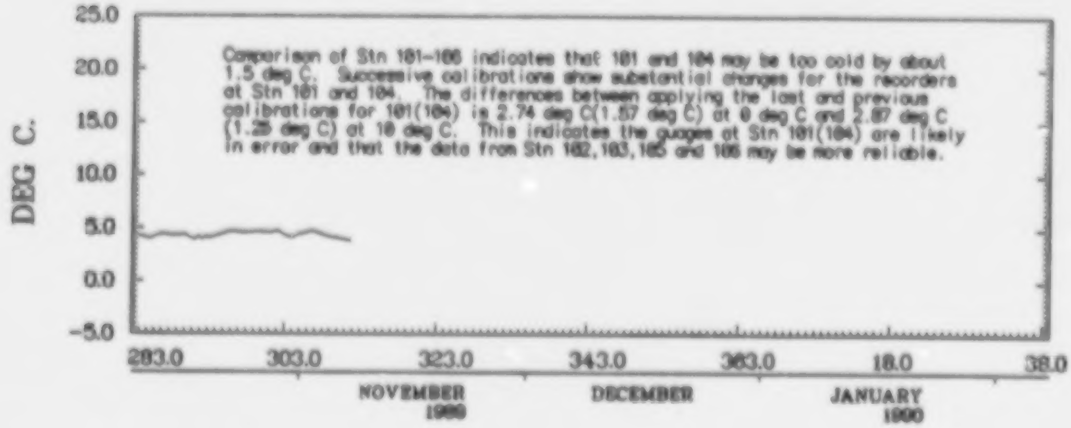
BAIE BUSSIERE PQ (LA TABATIERE) STA. 4SV 106

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
15.0M.	5.0M.	50.35	59.85	10/10/ 89	7/11/ 89

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
283	4.3	4.3	.3								
284	4.2	8.5	.5								
285	4.1	12.5	.5								
286	4.3	16.9	.9								
287	4.4	21.2	1.2								
288	4.3	25.5	1.5								
289	4.3	29.8	1.8								
290	4.2	34.0	2.0								
291	4.1	38.1	2.1								
292	4.1	42.1	2.1								
293	4.1	46.3	2.3								
294	4.3	50.6	2.6								
295	4.6	55.2	3.2								
296	4.6	59.9	3.9								
297	4.6	64.5	4.5								
298	4.6	69.0	5.0								
299	4.6	73.7	5.7								
300	4.6	78.3	6.3								
301	4.6	82.9	6.9								
302	4.6	87.5	7.5								
303	4.2	91.7	7.7								
304	4.3	96.0	8.0								
305	4.5	100.6	8.6								
306	4.7	105.2	9.2								
307	4.6	109.8	9.8								
308	4.3	114.1	10.1								
309	4.1	118.3	10.3								
310	4.0	122.3	10.3								
311	3.9	126.1	10.3								

STN 106 DEPTH 5M





Comparison of Stn 101-106 indicates that 101 and 104 may be too cold by about 1.5 deg C. Successive calibrations show substantial changes for the recorders at Stn 101 and 104. The differences between applying the last and previous calibrations for 101(104) is 2.74 deg C(1.57 deg C) at 0 deg C and 2.87 deg C (1.25 deg C) at 10 deg C. This indicates the guages at Stn 101(104) are likely in error and that the data from Stn 102,103,105 and 106 may be more reliable.

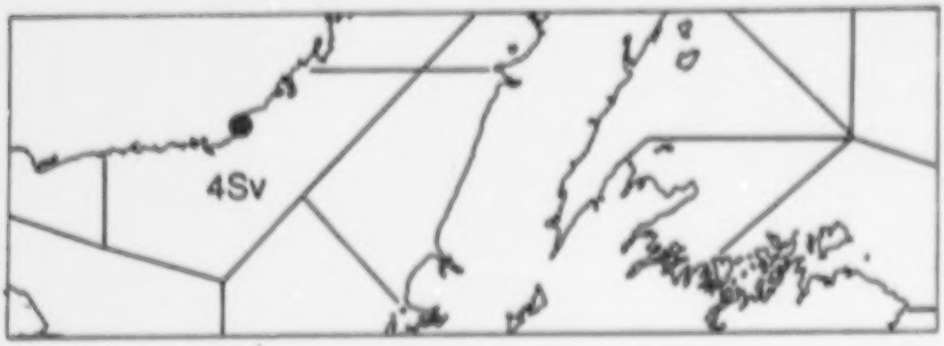
BAIE BUSSIERE PQ (LA TABATIERE)
50.35N 59.85W 2050Z 10/10/89 - 1650Z 07/11/89
INST. 62893

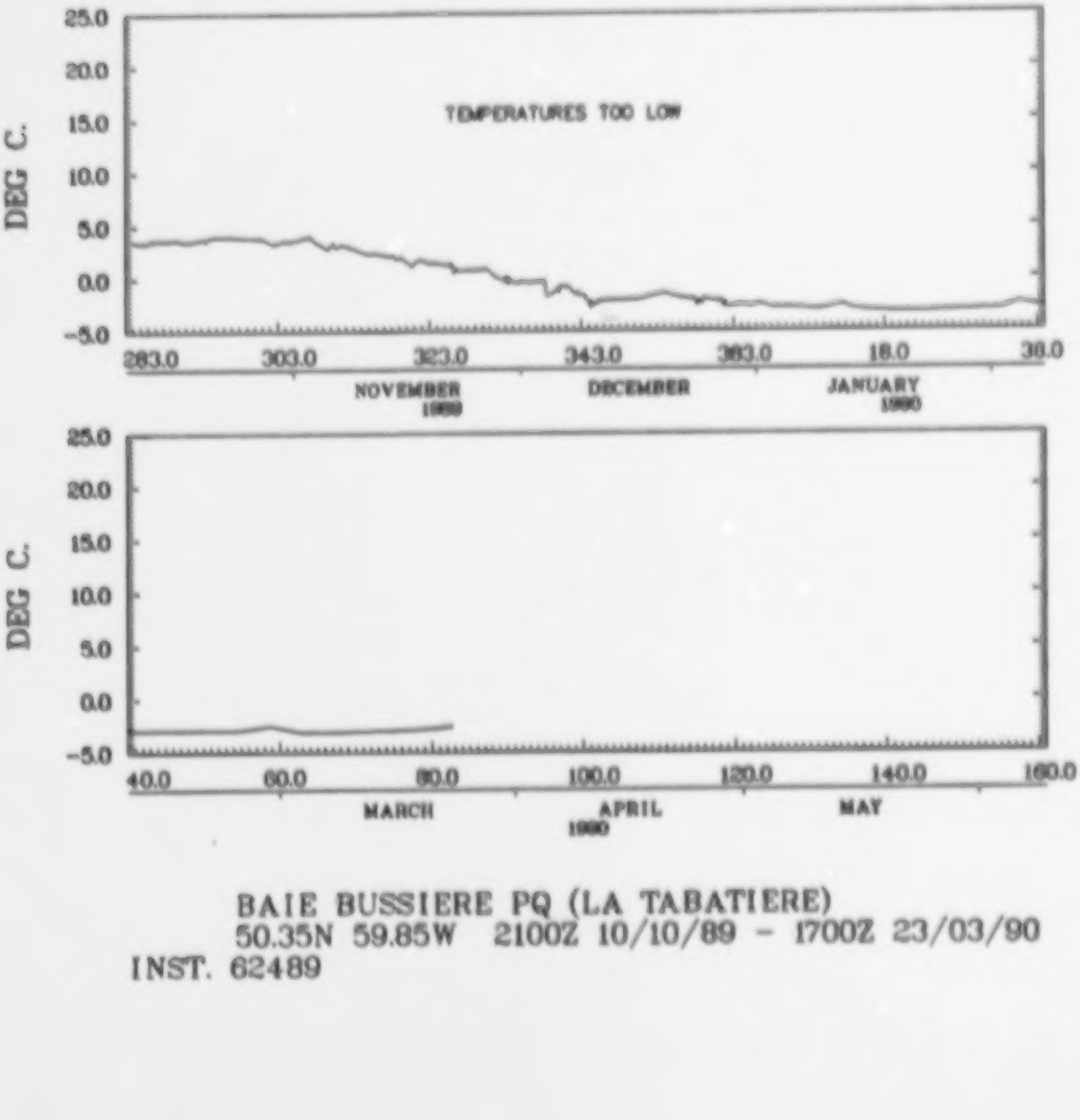
BAIE BUSSIERE PQ (LA TABATIERE) STA. 4SV 107

WATER DEPTH 14.0M. INST DEPTH 5.0M. LATITUDE 50.35 LONGITUDE 59.05 FROM 10/10/ 89 TO 23/ 3/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
283	3.6	3.6	.0
284	3.4	7.0	.0
285	3.4	10.4	.0
286	3.6	14.0	.0
287	3.7	17.7	.0
288	3.6	21.3	.0
289	3.7	25.0	.0
290	3.6	28.6	.0
291	3.5	32.1	.0
292	3.7	35.8	.0
293	3.7	39.5	.0
294	3.9	43.5	.0
295	4.0	47.4	.0
296	4.0	51.4	.0
297	3.9	55.3	.0
298	3.9	59.2	.0
299	3.9	63.1	.0
300	3.8	66.9	.0
301	3.7	70.6	.0
302	3.4	73.9	.0
303	3.5	77.4	.0
304	3.6	81.0	.0
305	3.7	84.6	.0
306	3.8	88.5	.0
307	3.8	92.3	.0
308	3.3	95.6	.0
309	3.0	98.5	.0
310	3.1	101.7	.0
311	3.1	104.8	.0
312	3.0	107.8	.0
313	2.7	110.5	.0
314	2.4	112.9	.0
315	2.4	115.3	.0
316	2.3	117.6	.0
317	2.2	119.7	.0
318	2.0	121.7	.0
319	1.8	123.6	.0
320	1.3	124.9	.0
321	1.6	126.5	.0
322	1.6	128.1	.0
323	1.4	129.5	.0
324	1.4	130.9	.0
325	1.3	132.2	.0
326	.9	133.0	.0
327	.7	133.8	.0
328	.8	134.5	.0
329	.8	135.3	.0
330	.8	136.1	.0
331	.3	136.5	.0
332	-.1	136.5	.0
333	-.2	136.5	.0
334	-.4	136.5	.0
335	-.4	136.5	.0
336	-.4	136.5	.0
337	-.3	136.5	.0
338	-1.2	136.5	.0
339	-1.3	136.5	.0
340	-.9	136.5	.0
341	-1.0	136.5	.0
342	-1.5	136.5	.0
343	-1.8	136.5	.0
344	-2.5	136.5	.0
345	-2.2	136.5	.0
346	-2.1	136.5	.0
347	-2.1	136.5	.0
348	-2.1	136.5	.0
349	-2.1	136.5	.0
350	-2.0	136.5	.0
351	-1.9	136.5	.0
352	-1.7	136.5	.0
353	-1.5	136.5	.0
354	-1.5	136.5	.0
355	-1.8	136.5	.0
356	-1.9	136.5	.0
357	-2.0	136.5	.0
358	-2.3	136.5	.0
359	-2.0	136.5	.0
360	-2.2	136.5	.0
361	-2.3	136.5	.0
362	-2.7	136.5	.0
363	-2.6	136.5	.0
364	-2.6	136.5	.0
365	-2.7	136.5	.0
1	-2.5	136.5	.0
2	-2.6	136.5	.0
3	-2.8	136.5	.0
4	-2.8	136.5	.0
5	-2.8	136.5	.0
6	-2.9	136.5	.0
7	-2.9	136.5	.0
8	-3.0	136.5	.0
9	-3.0	136.5	.0
10	-2.9	136.5	.0
11	-2.7	136.5	.0
12	-2.6	136.5	.0
13	-2.8	136.5	.0
14	-3.0	136.5	.0
15	-3.1	136.5	.0
16	-3.2	136.5	.0
17	-3.2	136.5	.0
18	-3.2	136.5	.0
19	-3.3	136.5	.0
20	-3.3	136.5	.0
21	-3.3	136.5	.0
22	-3.3	136.5	.0
23	-3.3	136.5	.0
24	-3.2	136.5	.0
25	-3.2	136.5	.0
26	-3.2	136.5	.0
27	-3.2	136.5	.0
28	-3.2	136.5	.0
29	-3.1	136.5	.0
30	-3.1	136.5	.0
31	-3.1	136.5	.0
32	-3.1	136.5	.0
33	-3.0	136.5	.0
34	-2.8	136.5	.0
35	-2.5	136.5	.0
36	-2.6	136.5	.0
37	-2.7	136.5	.0
38	-2.8	136.5	.0
39	-2.9	136.5	.0
40	-2.9	136.5	.0
41	-2.9	136.5	.0
42	-2.9	136.5	.0
43	-2.9	136.5	.0
44	-2.9	136.5	.0
45	-2.9	136.5	.0
46	-2.9	136.5	.0
47	-2.9	136.5	.0
48	-2.9	136.5	.0
49	-2.9	136.5	.0
50	-2.9	136.5	.0
51	-2.9	136.5	.0
52	-2.9	136.5	.0
53	-2.9	136.5	.0
54	-2.9	136.5	.0
55	-2.8	136.5	.0
56	-2.7	136.5	.0
57	-2.6	136.5	.0
58	-2.5	136.5	.0
59	-2.6	136.5	.0
60	-2.7	136.5	.0
61	-2.9	136.5	.0
62	-3.0	136.5	.0
63	-3.1	136.5	.0
64	-3.1	136.5	.0
65	-3.1	136.5	.0
66	-3.1	136.5	.0
67	-3.1	136.5	.0
68	-3.1	136.5	.0
69	-3.0	136.5	.0
70	-3.0	136.5	.0
71	-3.0	136.5	.0
72	-3.0	136.5	.0
73	-3.0	136.5	.0
74	-3.0	136.5	.0
75	-2.9	136.5	.0
76	-2.9	136.5	.0
77	-2.9	136.5	.0
78	-2.9	136.5	.0
79	-2.8	136.5	.0
80	-2.7	136.5	.0
81	-2.7	136.5	.0
82	-2.6	136.5	.0

STN 107 DEPTH 5M





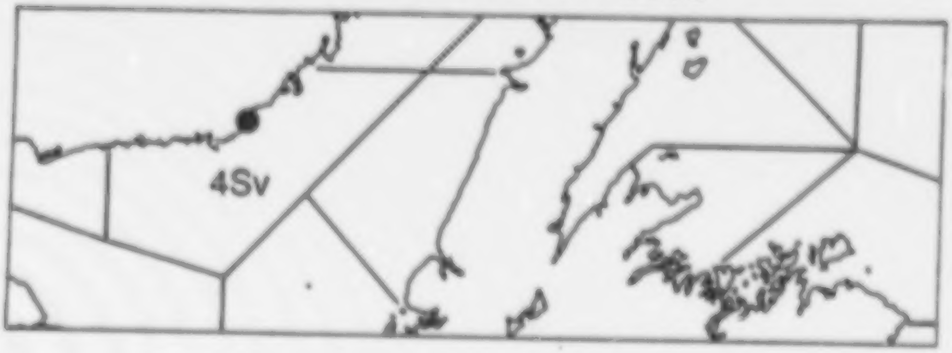
BAIE BUSSIERE PQ (LA TABATIERE)
50.35N 59.85W 2100Z 10/10/89 - 1700Z 23/03/90
INST. 62489

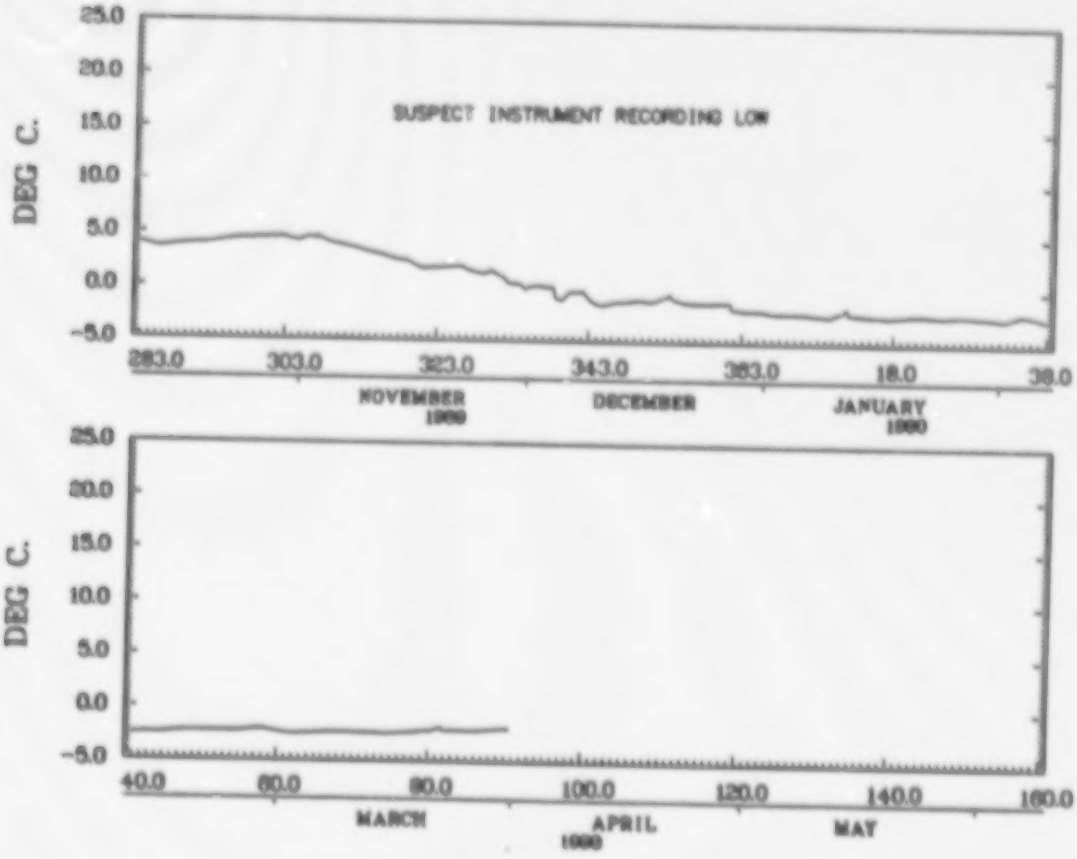
BAIE BUSSIERE PG (LA TABATIERE) STA. 4SV 100

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
14.0M.	10.0M.	50.35	58.85	10/10/ 89	31/ 3/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
283	4.0	4.0	.0	348	-1.1	165.9	6.8	48	-2.2	165.9	6.8
284	3.9	7.9	.0	349	-1.1	165.9	6.8	49	-2.2	165.9	6.8
285	3.7	11.6	.0	350	-1.1	165.9	6.8	50	-2.2	165.9	6.8
286	3.6	15.2	.0	351	-1.1	165.9	6.8	51	-2.2	165.9	6.8
287	3.7	18.9	.0	352	-.8	165.9	6.8	52	-2.2	165.9	6.8
288	3.8	22.6	.0	353	-.7	165.9	6.8	53	-2.3	165.9	6.8
289	3.9	26.5	.0	354	-1.0	165.9	6.8	54	-2.3	165.9	6.8
290	3.9	30.4	.0	355	-1.2	165.9	6.8	55	-2.2	165.9	6.8
291	4.0	34.3	.0	356	-1.3	165.9	6.8	56	-2.1	165.9	6.8
292	4.0	38.3	.0	357	-1.3	165.9	6.8	57	-2.1	165.9	6.8
293	4.1	42.4	.1	358	-1.3	165.9	6.8	58	-2.1	165.9	6.8
294	4.2	46.6	.3	359	-1.2	165.9	6.8	59	-2.2	165.9	6.8
295	4.3	50.9	.6	360	-1.2	165.9	6.8	60	-2.3	165.9	6.8
296	4.4	55.3	1.0	361	-1.5	165.9	6.8	61	-2.4	165.9	6.8
297	4.5	59.8	1.5	362	-1.8	165.9	6.8	62	-2.5	165.9	6.8
298	4.5	64.3	1.9	363	-1.9	165.9	6.8	63	-2.4	165.9	6.8
299	4.5	68.8	2.5	364	-1.9	165.9	6.8	64	-2.4	165.9	6.8
300	4.5	73.3	3.0	365	-1.9	165.9	6.8	65	-2.4	165.9	6.8
301	4.6	77.9	3.6	1	-2.1	165.9	6.8	66	-2.3	165.9	6.8
302	4.6	82.5	4.2	2	-2.2	165.9	6.8	67	-2.3	165.9	6.8
303	4.5	87.0	4.6	3	-2.2	165.9	6.8	68	-2.3	165.9	6.8
304	4.3	91.3	4.9	4	-2.1	165.9	6.8	69	-2.3	165.9	6.8
305	4.5	95.8	5.4	5	-2.2	165.9	6.8	70	-2.3	165.9	6.8
306	4.6	100.3	6.0	6	-2.2	165.9	6.8	71	-2.3	165.9	6.8
307	4.6	104.9	6.6	7	-2.3	165.9	6.8	72	-2.4	165.9	6.8
308	4.3	109.2	6.8	8	-2.3	165.9	6.8	73	-2.4	165.9	6.8
309	4.0	113.2	6.8	9	-2.4	165.9	6.8	74	-2.4	165.9	6.8
310	3.9	117.1	6.8	10	-2.1	165.9	6.8	75	-2.3	165.9	6.8
311	3.7	120.8	6.8	11	-1.9	165.9	6.8	76	-2.3	165.9	6.8
312	3.6	124.4	6.8	12	-2.2	165.9	6.8	77	-2.3	165.9	6.8
313	3.4	127.7	6.8	13	-2.2	165.9	6.8	78	-2.2	165.9	6.8
314	3.2	130.9	6.8	14	-2.3	165.9	6.8	79	-2.1	165.9	6.8
315	3.0	134.0	6.8	15	-2.3	165.9	6.8	80	-2.0	165.9	6.8
316	2.8	136.8	6.8	16	-2.4	165.9	6.8	81	-1.9	165.9	6.8
317	2.6	139.4	6.8	17	-2.4	165.9	6.8	82	-2.1	165.9	6.8
318	2.5	142.0	6.8	18	-2.3	165.9	6.8	83	-2.1	165.9	6.8
319	2.3	144.3	6.8	19	-2.3	165.9	6.8	84	-2.1	165.9	6.8
320	1.9	146.2	6.8	20	-2.2	165.9	6.8	85	-2.1	165.9	6.8
321	1.8	148.0	6.8	21	-2.2	165.9	6.8	86	-2.1	165.9	6.8
322	1.9	149.9	6.8	22	-2.3	165.9	6.8	87	-2.0	165.9	6.8
323	1.9	151.8	6.8	23	-2.3	165.9	6.8	88	-1.9	165.9	6.8
324	1.9	153.7	6.8	24	-2.3	165.9	6.8	89	-1.9	165.9	6.8
325	2.0	155.7	6.8	25	-2.3	165.9	6.8	90	-1.9	165.9	6.8
326	1.9	157.6	6.8	26	-2.3	165.9	6.8				
327	1.6	159.1	6.8	27	-2.2	165.9	6.8				
328	1.4	160.5	6.8	28	-2.3	165.9	6.8				
329	1.4	161.9	6.8	29	-2.3	165.9	6.8				
330	1.4	163.4	6.8	30	-2.4	165.9	6.8				
331	1.1	164.4	6.8	31	-2.4	165.9	6.8				
332	.5	164.9	6.8	32	-2.5	165.9	6.8				
333	.4	165.3	6.8	33	-2.3	165.9	6.8				
334	.1	165.4	6.8	34	-2.1	165.9	6.8				
335	.2	165.6	6.8	35	-2.1	165.9	6.8				
336	.2	165.8	6.8	36	-2.3	165.9	6.8				
337	.1	165.9	6.8	37	-2.4	165.9	6.8				
338	-.5	165.9	6.8	38	-2.5	165.9	6.8				
339	-.9	165.9	6.8	39	-2.5	165.9	6.8				
340	-.4	165.9	6.8	40	-2.5	165.9	6.8				
341	-.3	165.9	6.8	41	-2.5	165.9	6.8				
342	-.5	165.9	6.8	42	-2.5	165.9	6.8				
343	-1.2	165.9	6.8	43	-2.5	165.9	6.8				
344	-1.5	165.9	6.8	44	-2.5	165.9	6.8				
345	-1.4	165.9	6.8	45	-2.4	165.9	6.8				
346	-1.3	165.9	6.8	46	-2.3	165.9	6.8				
347	-1.2	165.9	6.8	47	-2.3	165.9	6.8				

STN 108 DEPTH 10M





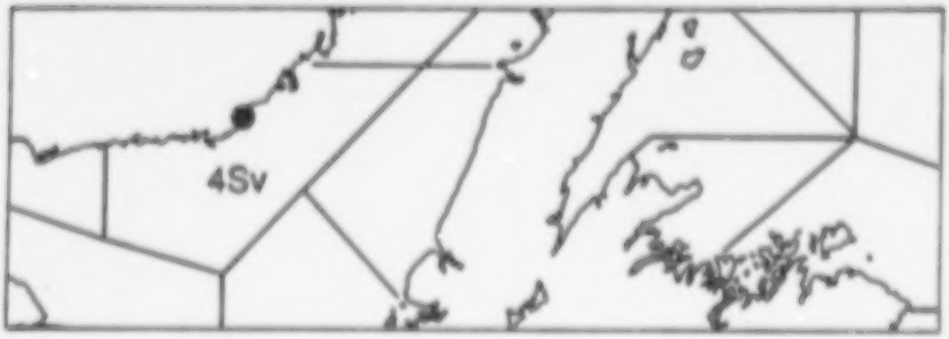
BAIE BUSSIERE PQ (LA TABATIERE)
50.35N 59.85W 2100Z 10/10/89 - 1300Z 31/03/90
INST. 63334

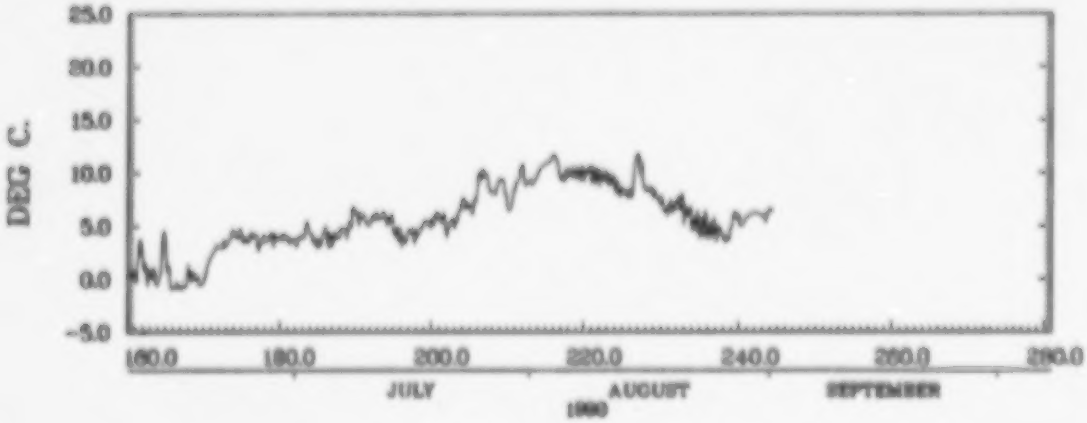
BAIE BUSSIERE PO (LA TABATIERE) STA. 4SV 111

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
14.0M.	5.0M.	50.35	59.05	9/ 6/ 90	1/ 9/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
160	.3	.3	.0	225	8.1	357.4	135.2				
161	1.8	2.1	.0	226	9.4	366.8	140.7				
162	.9	3.0	.0	227	10.3	377.1	146.9				
163	.4	3.4	.0	228	8.3	385.4	151.3				
164	1.6	4.9	.0	229	7.8	393.2	155.1				
165	.8	5.8	.0	230	6.8	400.0	157.9				
166	-.7	5.8	.0	231	6.7	406.7	160.6				
167	-.6	5.8	.0	232	7.3	414.0	163.9				
168	.5	6.3	.0	233	6.3	420.3	166.1				
169	-.3	6.3	.0	234	5.4	425.7	167.5				
170	.9	7.2	.0	235	5.1	430.8	168.7				
171	2.7	9.9	.0	236	4.7	435.5	169.4				
172	3.1	13.0	.0	237	4.4	439.9	169.7				
173	3.8	16.8	.0	238	3.9	443.8	169.7				
174	4.3	21.1	.3	239	5.7	449.5	171.4				
175	3.7	24.8	.3	240	5.5	455.0	172.9				
176	4.0	28.8	.3	241	6.0	461.0	174.9				
177	3.5	32.4	.3	242	6.2	467.2	177.1				
178	3.9	36.2	.3	243	6.0	473.2	179.1				
179	3.9	40.1	.3	244	6.5	479.7	181.7				
180	4.0	44.1	.3								
181	3.7	47.7	.3								
182	3.7	51.4	.3								
183	4.5	55.9	.9								
184	3.8	59.7	.9								
185	3.5	63.3	.9								
186	4.0	67.3	.9								
187	3.9	71.2	.9								
188	4.5	75.8	1.4								
189	5.4	81.2	2.8								
190	6.0	87.2	4.8								
191	5.5	92.7	6.3								
192	5.8	98.5	8.1								
193	5.9	104.3	10.0								
194	5.7	110.0	11.7								
195	4.6	114.6	12.2								
196	3.8	118.3	12.2								
197	4.3	122.6	12.5								
198	4.5	127.1	13.0								
199	5.3	132.4	14.3								
200	5.7	138.1	16.0								
201	5.7	143.8	17.8								
202	5.0	148.8	18.7								
203	5.8	154.6	20.5								
204	7.1	161.7	23.6								
205	6.9	168.7	26.5								
206	9.6	178.3	32.2								
207	9.0	187.3	37.2								
208	8.5	195.8	41.7								
209	8.8	204.7	46.5								
210	7.1	211.8	49.7								
211	9.5	221.3	55.1								
212	9.5	230.7	60.6								
213	9.3	240.0	65.8								
214	10.5	250.5	72.3								
215	11.1	261.6	79.4								
216	10.9	272.4	86.3								
217	9.6	282.1	91.9								
218	10.1	292.2	98.1								
219	10.1	302.2	104.1								
220	10.0	312.3	110.2								
221	9.8	322.1	115.9								
222	9.6	331.6	121.5								
223	9.2	340.8	126.7								
224	8.5	349.3	131.2								

STN 111 DEPTH 5M





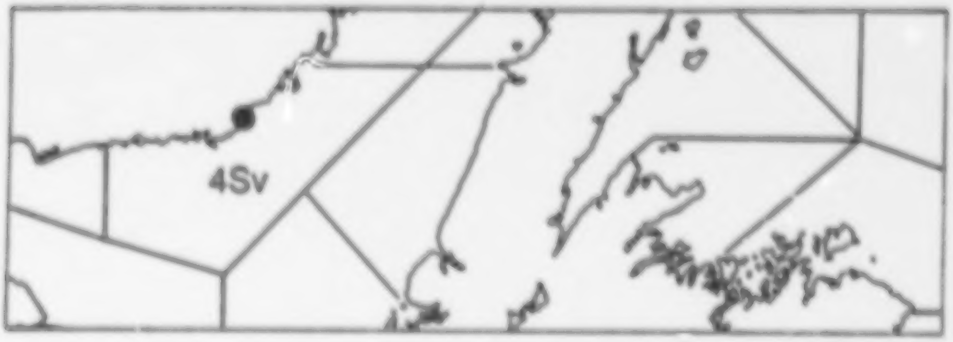
BAIE BUSSIERE PQ (LA TABATIERE)
50.35N 59.85W 0000Z 09/06/90 - 0800Z 01/09/90
INST. 63545

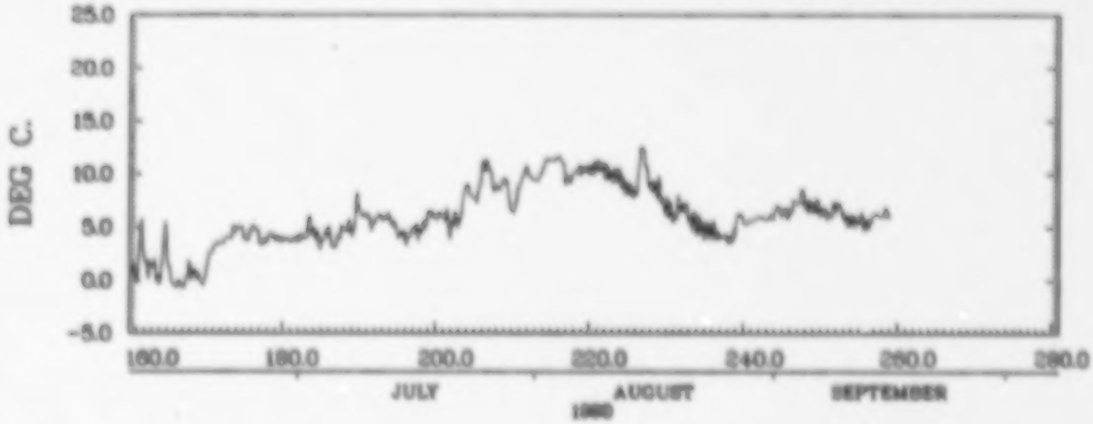
BAIE BUSSIERE PQ STA. 4SV 113

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
15.0M.	5.0M.	50.35	59.85	9/ 6/ 90	16/ 9/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
160	.8	.8	.0	225	8.3	383.6	153.9				
161	2.8	3.6	.0	226	10.4	394.0	160.3				
162	1.4	5.1	.0	227	10.4	404.4	166.6				
163	.9	6.0	.0	228	8.7	413.0	171.3				
164	2.6	8.6	.0	229	7.7	420.7	175.0				
165	.6	9.2	.0	230	6.6	427.3	177.6				
166	-.4	9.2	.0	231	6.7	433.9	180.2				
167	.1	9.3	.0	232	6.7	440.7	183.0				
168	.6	10.0	.0	233	5.7	446.3	184.6				
169	.0	10.0	.0	234	4.9	451.2	185.5				
170	1.9	11.9	.0	235	4.7	455.9	186.2				
171	3.3	15.2	.0	236	4.4	460.2	186.5				
172	3.7	18.9	.0	237	4.2	464.4	186.7				
173	4.4	23.3	.4	238	4.0	468.3	186.7				
174	5.0	28.3	1.4	239	6.0	474.3	188.7				
175	4.1	32.4	1.5	240	5.4	479.8	190.1				
176	4.9	37.3	2.4	241	5.8	485.5	191.9				
177	3.6	40.9	2.4	242	5.9	491.5	193.8				
178	4.2	45.1	2.6	243	5.9	497.3	195.7				
179	3.9	49.0	2.6	244	6.6	504.0	198.3				
180	3.8	52.8	2.6	245	6.4	510.4	200.7				
181	3.8	56.6	2.6	246	7.0	517.4	203.8				
182	4.1	60.7	2.7	247	7.6	525.1	207.4				
183	4.8	65.4	3.4	248	7.1	532.2	210.5				
184	4.0	69.4	3.4	249	7.0	539.2	213.5				
185	4.1	73.6	3.6	250	6.4	545.6	216.0				
186	3.7	77.3	3.6	251	6.5	552.1	218.4				
187	4.4	81.7	4.0	252	6.9	559.0	221.3				
188	5.0	86.7	4.9	253	5.7	564.7	223.0				
189	6.0	92.7	7.0	254	5.6	570.3	224.6				
190	6.3	99.0	9.2	255	5.5	575.8	226.2				
191	5.5	104.5	10.8	256	5.6	581.4	227.7				
192	5.9	110.4	12.7	257	6.2	587.6	229.9				
193	6.0	116.4	14.7	258	6.2	593.8	232.1				
194	5.3	121.7	16.0								
195	4.3	126.0	16.3								
196	4.1	130.1	16.4								
197	4.7	134.8	17.1								
198	5.1	139.9	18.2								
199	6.2	146.1	20.4								
200	6.1	152.2	22.5								
201	5.7	157.9	24.2								
202	5.6	163.5	25.8								
203	7.1	170.6	28.9								
204	8.3	178.9	33.2								
205	8.2	187.1	37.4								
206	10.9	198.0	44.2								
207	9.3	207.2	49.5								
208	8.9	216.2	54.5								
209	8.2	224.4	58.7								
210	7.5	231.9	62.2								
211	9.9	241.8	68.1								
212	9.7	251.6	73.9								
213	9.8	261.4	79.6								
214	11.2	272.5	86.8								
215	11.4	283.9	94.2								
216	10.9	294.8	101.1								
217	9.6	304.4	106.7								
218	10.2	314.7	113.0								
219	10.5	325.1	119.4								
220	10.5	335.6	125.9								
221	10.7	346.3	132.6								
222	10.1	356.4	138.7								
223	9.9	366.3	144.6								
224	8.9	375.2	149.5								

STN 113 DEPTH 5M





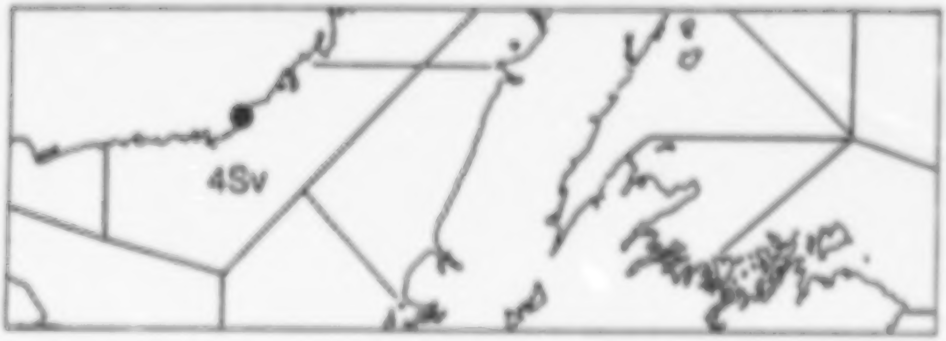
BAIE BUSSIERE PQ (LA TABATIERE)
50.35N 59.85W 0000Z 09/06/90 - 0000Z 16/09/90
INST. 63761

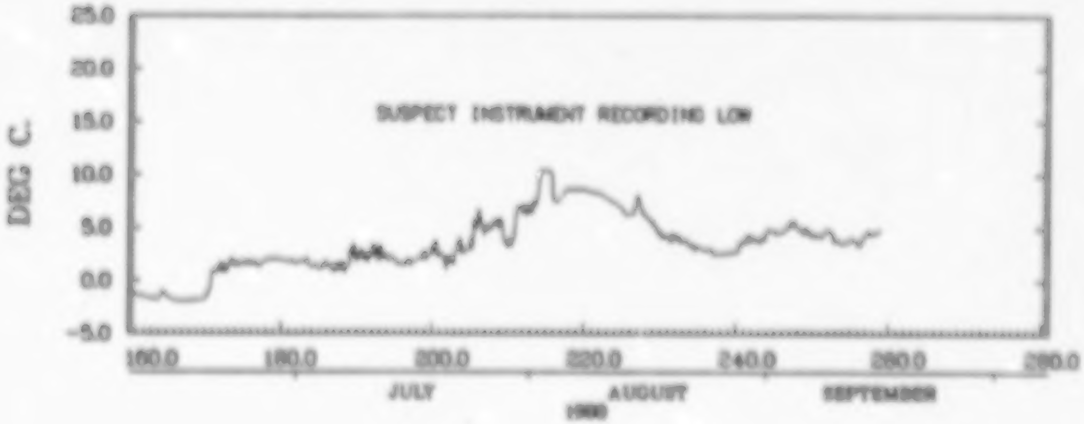
BAIE BUSSIERE PQ (LA TABATIERE) STA. 45V 114

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
15.0M.	10.0M.	50.35	59.05	9/ 6/ 90	16/ 9/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
160	-1.1	.0	.0
161	-1.4	.0	.0
162	-1.5	.0	.0
163	-1.7	.0	.0
164	-1.3	.0	.0
165	-1.6	.0	.0
166	-1.9	.0	.0
167	-1.9	.0	.0
168	-1.9	.0	.0
169	-1.8	.0	.0
170	-1.0	.0	.0
171	1.0	1.0	.0
172	1.2	2.2	.0
173	1.7	3.9	.0
174	1.6	5.5	.0
175	1.7	7.2	.0
176	1.6	8.8	.0
177	1.6	10.5	.0
178	2.0	12.4	.0
179	2.0	14.5	.0
180	1.9	16.4	.0
181	1.8	18.2	.0
182	1.8	20.0	.0
183	1.8	21.7	.0
184	1.4	23.1	.0
185	1.3	24.4	.0
186	1.4	25.8	.0
187	1.3	27.1	.0
188	1.3	28.4	.0
189	2.5	30.9	.0
190	2.5	33.4	.0
191	2.2	35.7	.0
192	2.6	38.3	.0
193	2.6	40.9	.0
194	2.2	43.1	.0
195	1.7	44.7	.0
196	1.7	46.4	.0
197	1.8	48.2	.0
198	2.2	50.4	.0
199	2.4	52.8	.0
200	2.9	55.7	.0
201	2.2	57.9	.0
202	2.0	59.9	.0
203	3.1	63.0	.0
204	2.9	65.9	.0
205	4.2	70.1	.2
206	5.5	75.7	1.7
207	5.0	80.6	2.7
208	5.4	86.0	4.1
209	4.7	90.7	4.7
210	3.7	94.3	4.7
211	6.4	100.8	7.2
212	6.6	107.4	9.8
213	7.2	114.6	13.0
214	9.8	124.4	18.8
215	10.3	134.7	25.1
216	7.6	142.3	28.7
217	8.3	150.6	33.0
218	8.6	159.2	37.6
219	8.6	167.8	42.2
220	8.5	176.4	46.8
221	8.3	184.7	51.1
222	8.1	192.8	55.2
223	7.7	200.4	58.9
224	7.2	207.6	62.1
225	6.4	214.1	64.5
226	6.6	220.7	67.1
227	7.2	227.8	70.3
228	5.9	233.7	72.2
229	5.0	238.7	73.2
230	4.3	243.0	73.4
231	4.1	247.1	73.5
232	4.0	251.1	73.5
233	3.7	254.7	73.5
234	3.2	258.0	73.5
235	3.1	261.0	73.5
236	2.9	264.0	73.5
237	2.6	266.5	73.5
238	2.6	269.1	73.5
239	2.7	271.8	73.5
240	3.3	275.1	73.5
241	3.9	279.0	73.5
242	3.9	283.0	73.5
243	4.0	286.9	73.5
244	4.8	291.7	74.3
245	4.6	296.3	74.8
246	4.9	301.1	75.7
247	5.4	306.5	77.1
248	4.9	311.4	77.9
249	4.6	316.0	78.6
250	4.3	320.3	78.9
251	4.4	324.7	79.3
252	4.5	329.3	79.9
253	3.7	333.0	79.9
254	3.7	336.7	79.9
255	3.8	340.5	79.9
256	3.7	344.3	79.9
257	4.5	348.8	80.4
258	4.6	353.4	81.0

STN 114 DEPTH 10M





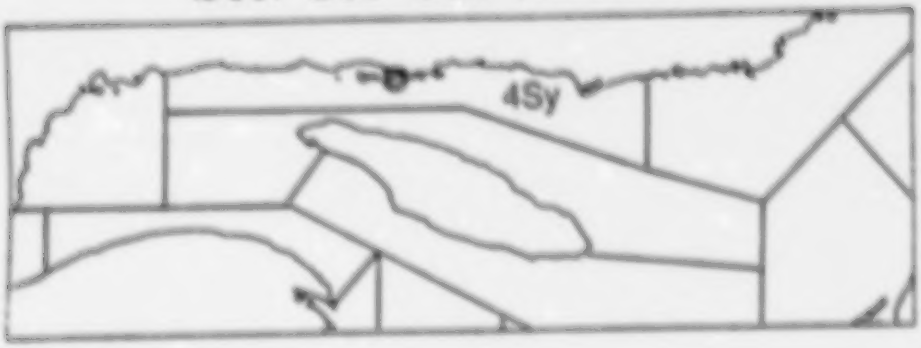
BAIE BUSSIERE PQ (LA TABATIERE)
50.35N 59.85W 0000Z 09/06/90 - 0000Z 16/09/90
INST. 63920

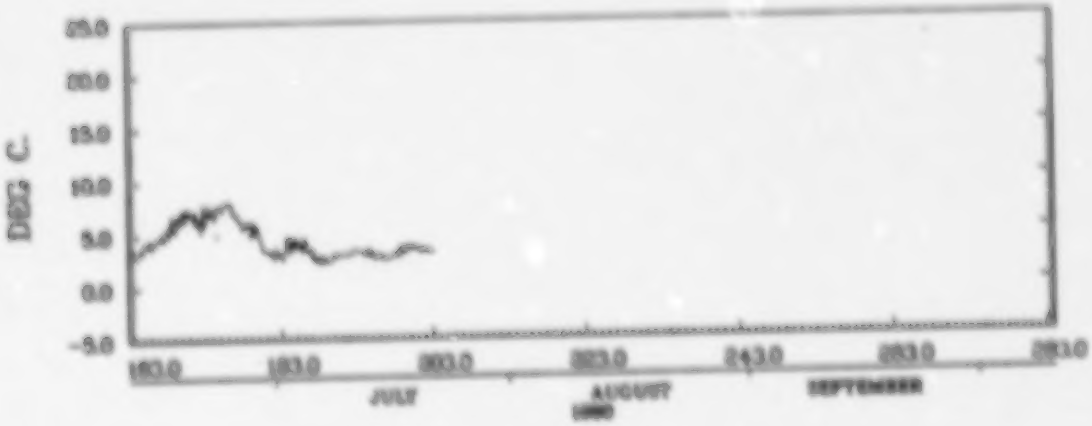
CAP AU CORBEAU PQ (LAVAL U) STA. 4SY 125

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
10.0M.	10.0M.	50.20	63.00	12/ 6/ 90	22/ 7/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
163	3.4	3.4	.0								
164	3.3	6.7	.0								
165	4.0	10.7	.0								
166	4.2	14.9	.2								
167	4.7	19.6	.9								
168	5.6	25.2	2.5								
169	6.2	31.3	4.7								
170	6.9	38.2	7.6								
171	6.9	45.1	10.4								
172	6.3	51.3	12.7								
173	6.9	58.2	15.5								
174	7.1	65.3	18.6								
175	7.7	72.9	22.3								
176	7.5	80.5	25.8								
177	6.4	86.9	28.2								
178	5.9	92.8	30.1								
179	5.4	98.2	31.5								
180	4.1	102.3	31.7								
181	3.3	105.6	31.7								
182	3.1	108.7	31.7								
183	3.3	112.1	31.7								
184	4.0	116.0	31.7								
185	3.9	119.9	31.7								
186	3.8	123.7	31.7								
187	2.8	126.5	31.7								
188	2.5	129.0	31.7								
189	2.5	131.5	31.7								
190	2.9	134.4	31.7								
191	3.0	137.4	31.7								
192	3.2	140.6	31.7								
193	3.3	143.9	31.7								
194	3.2	147.1	31.7								
195	2.8	149.9	31.7								
196	2.8	152.7	31.7								
197	2.7	155.4	31.7								
198	3.1	158.6	31.7								
199	3.5	162.0	31.7								
200	3.7	165.7	31.7								
201	3.4	169.1	31.7								
202	3.3	172.4	31.7								
203	3.3	175.7	31.7								

STN 125 DEPTH 10M





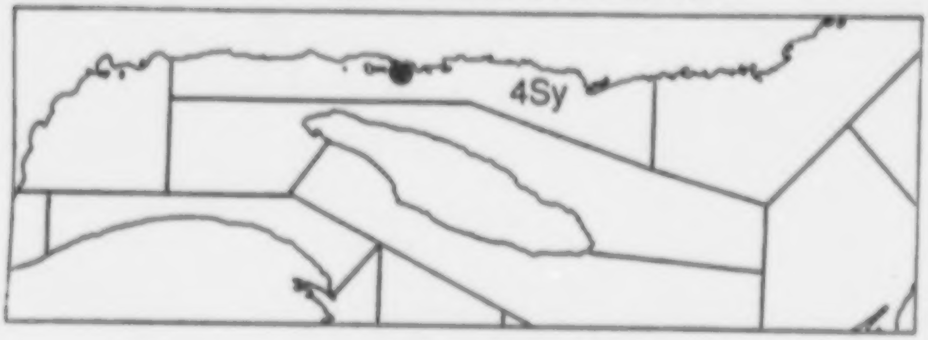
CAP AU CORBEAU PQ (LAVAL)
50.20N 63.60W 1200Z 12/06/90 - 0400Z 22/07/90
INST. 63342

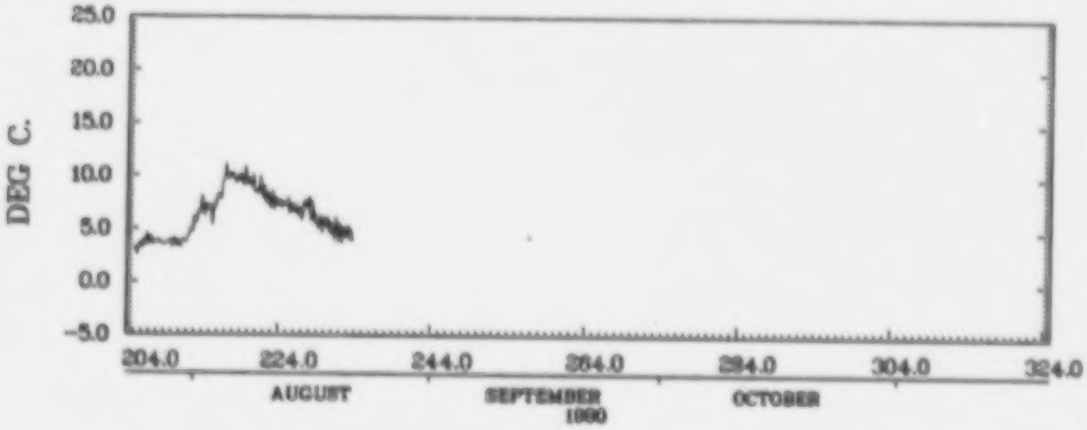
ILE AU FANTOME PQ (LAVAL U) STA. 4SY 126

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
33.0M.	33.0M.	50.20	63.70	23/ 7/ 90	21/ 8/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
204	3.1	3.1	.0								
205	3.1	6.3	.0								
206	3.8	10.0	.0								
207	3.8	13.9	.0								
208	3.7	17.6	.0								
209	3.7	21.3	.0								
210	3.7	25.0	.0								
211	3.7	28.8	.0								
212	4.9	33.7	.9								
213	6.5	40.2	3.4								
214	7.1	47.3	6.5								
215	7.0	54.3	9.5								
216	8.8	63.1	14.4								
217	10.2	73.3	20.6								
218	9.8	83.1	26.4								
219	9.6	92.7	32.0								
220	9.2	102.0	37.2								
221	8.6	110.6	41.9								
222	7.9	118.6	45.8								
223	7.7	126.2	49.5								
224	7.4	133.6	52.9								
225	7.2	140.8	56.0								
226	6.7	147.5	58.7								
227	7.3	154.8	62.0								
228	6.4	161.2	64.4								
229	5.5	166.7	65.9								
230	5.3	171.9	67.2								
231	5.0	176.9	68.2								
232	4.8	181.7	68.9								
233	4.4	186.1	69.4								

STN 126 DEPTH 33M





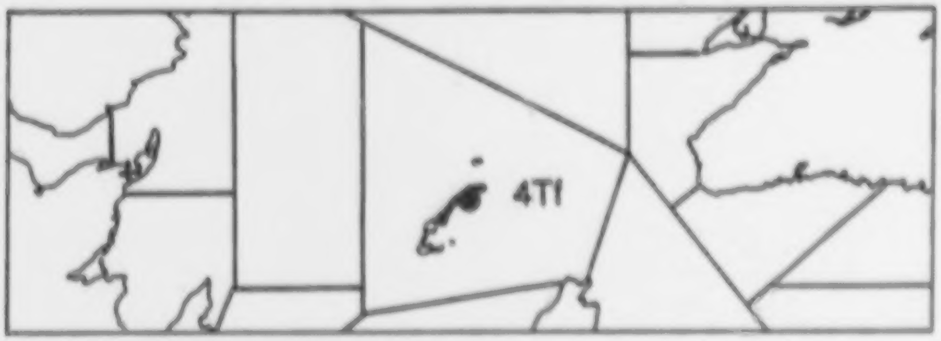
ILE AU FANTOME PQ (LAVAL)
50.20N 63.70W 2200Z 23/07/90 - 1800Z 21/08/90
INST. 63342

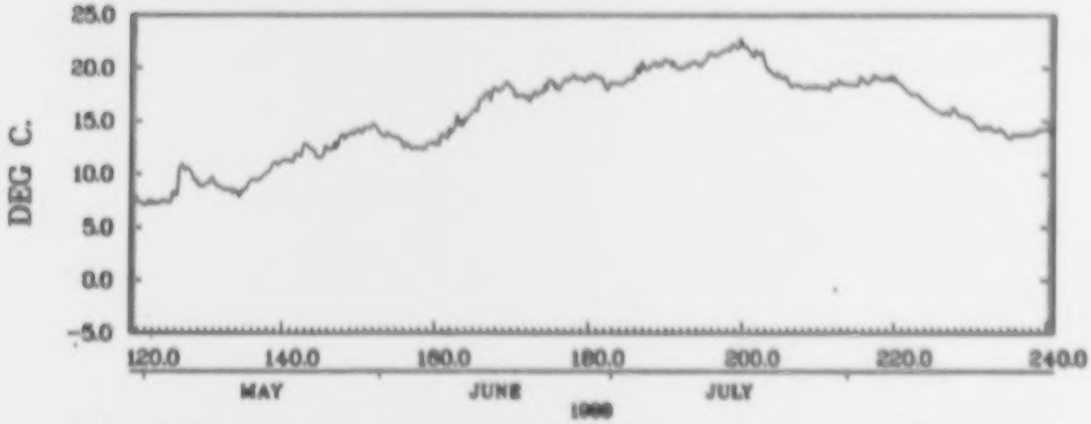
GRANDE ENTREE PQ (ILES DE LA MADELEINE) STA. 4TF 117

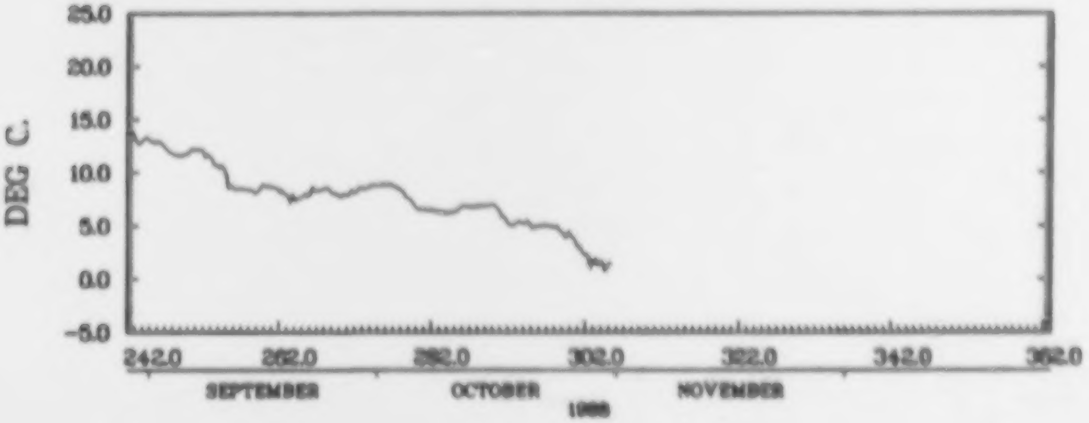
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
6.0M.	2.0M.	47.56	61.53	29/ 4/ 88	31/10/ 88

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
120	7.7	7.7	3.7	185	19.2	892.2	628.2	250	12.2	2014.9	1490.9
121	7.3	14.9	6.9	186	20.1	912.3	644.3	251	12.2	2027.1	1499.1
122	7.3	22.2	10.2	187	20.1	932.4	660.4	252	11.6	2038.7	1506.7
123	7.3	29.6	13.6	188	20.4	952.8	676.8	253	10.9	2049.6	1513.6
124	7.4	37.0	17.0	189	20.6	973.4	693.4	254	10.4	2060.0	1520.0
125	7.8	44.8	20.8	190	20.5	993.9	709.9	255	8.9	2068.9	1524.9
126	10.0	54.8	26.8	191	20.0	1013.9	725.9	256	8.5	2077.4	1529.4
127	10.4	65.3	33.3	192	20.2	1034.1	742.1	257	8.4	2085.8	1533.8
128	9.5	74.7	38.7	193	20.5	1054.7	758.7	258	8.3	2094.1	1538.1
129	9.0	83.7	43.7	194	20.5	1075.2	775.2	259	8.6	2102.7	1542.7
130	9.3	93.0	49.0	195	21.3	1096.4	792.4	260	8.7	2111.4	1547.4
131	8.9	102.0	54.0	196	21.3	1117.7	809.7	261	8.6	2120.0	1552.0
132	8.6	110.5	58.5	197	21.7	1139.5	827.5	262	8.1	2128.1	1556.1
133	8.4	118.9	62.9	198	22.1	1161.5	845.5	263	7.7	2135.8	1559.8
134	8.3	127.2	67.2	199	22.2	1183.7	863.7	264	7.6	2143.4	1563.4
135	9.0	136.2	72.2	200	21.9	1205.6	881.6	265	7.9	2151.3	1567.3
136	9.5	145.7	77.7	201	21.4	1227.0	899.0	266	8.3	2159.6	1571.6
137	9.9	155.5	83.5	202	21.1	1248.1	916.1	267	8.4	2168.0	1576.0
138	10.6	166.2	90.2	203	19.8	1267.9	931.9	268	8.4	2176.5	1580.5
139	11.1	177.2	97.2	204	19.4	1287.2	947.2	269	8.0	2184.4	1584.4
140	11.3	188.5	104.5	205	19.1	1306.3	962.3	270	7.9	2192.3	1588.3
141	11.6	200.1	112.1	206	18.4	1324.7	976.7	271	8.1	2200.5	1592.5
142	12.2	212.3	120.3	207	18.3	1343.1	991.1	272	8.4	2208.9	1596.9
143	12.5	224.9	128.9	208	18.2	1361.3	1005.3	273	8.6	2217.5	1601.5
144	11.8	236.6	136.6	209	18.3	1379.6	1019.6	274	8.8	2226.3	1606.3
145	12.1	248.8	144.8	210	18.2	1397.8	1033.8	275	8.9	2235.1	1611.1
146	12.6	261.3	153.3	211	18.3	1416.1	1048.1	276	8.9	2244.0	1616.0
147	13.3	274.6	162.6	212	18.6	1434.7	1062.7	277	8.6	2252.6	1620.6
148	13.7	288.3	172.3	213	18.5	1453.2	1077.2	278	7.9	2260.5	1624.5
149	14.0	302.3	182.3	214	18.5	1471.7	1091.7	279	7.2	2267.7	1627.7
150	14.1	316.4	192.4	215	18.9	1490.6	1106.6	280	6.6	2274.2	1630.2
151	14.5	330.9	202.9	216	18.7	1509.3	1121.3	281	6.5	2280.8	1632.8
152	14.2	345.1	213.1	217	19.2	1528.5	1136.5	282	6.4	2287.2	1635.2
153	13.7	358.8	222.8	218	19.0	1547.5	1151.5	283	6.3	2293.5	1637.5
154	13.5	372.3	232.3	219	19.1	1566.6	1166.6	284	6.3	2299.7	1639.7
155	13.1	385.4	241.4	220	18.6	1585.2	1181.2	285	6.6	2306.3	1642.3
156	12.6	398.1	250.1	221	17.9	1603.1	1195.1	286	6.8	2313.2	1645.2
157	12.5	410.5	258.5	222	17.5	1620.6	1208.6	287	6.8	2320.0	1648.0
158	12.5	423.1	267.1	223	17.1	1637.7	1221.7	288	6.9	2326.8	1650.8
159	12.9	436.0	276.0	224	16.4	1654.2	1234.2	289	6.9	2333.8	1653.8
160	13.3	449.3	285.3	225	16.0	1670.2	1246.2	290	6.7	2340.4	1656.4
161	13.7	463.0	295.0	226	15.8	1685.9	1257.9	291	5.7	2346.1	1658.1
162	14.7	477.7	305.7	227	16.0	1701.9	1269.9	292	5.1	2351.2	1659.2
163	14.9	492.6	316.6	228	15.6	1717.5	1281.5	293	5.3	2356.6	1660.6
164	15.7	508.3	328.3	229	15.3	1732.8	1292.8	294	5.2	2361.8	1661.8
165	16.6	524.9	340.9	230	14.7	1747.5	1303.5	295	4.9	2366.7	1662.7
166	17.5	542.4	354.4	231	14.4	1761.9	1313.9	296	5.0	2371.7	1663.7
167	17.8	560.2	368.2	232	14.4	1776.3	1324.3	297	5.0	2376.7	1664.7
168	18.1	578.3	382.3	233	14.2	1790.5	1334.5	298	4.7	2381.3	1665.3
169	18.4	596.7	396.7	234	13.8	1804.2	1344.2	299	4.1	2385.5	1665.5
170	17.5	614.2	410.2	235	13.6	1817.8	1353.8	300	3.6	2389.1	1665.5
171	17.4	631.6	423.6	236	13.7	1831.5	1363.5	301	2.6	2391.7	1665.5
172	17.3	648.9	436.9	237	13.8	1845.3	1373.3	302	1.7	2393.4	1665.5
173	17.7	666.6	450.6	238	14.0	1859.3	1383.3	303	1.5	2395.0	1665.5
174	18.5	685.1	465.1	239	14.2	1873.5	1393.5	304	1.2	2396.1	1665.5
175	18.3	703.4	479.4	240	14.2	1887.8	1403.8	305	1.5	2397.6	1665.5
176	18.7	722.1	494.1	241	13.9	1901.7	1413.7				
177	19.1	741.2	509.2	242	13.9	1915.6	1423.6				
178	19.0	760.2	524.2	243	12.9	1928.5	1432.5				
179	19.0	779.1	539.1	244	13.2	1941.7	1441.7				
180	19.3	798.4	554.4	245	12.9	1954.6	1450.6				
181	18.9	817.3	569.3	246	12.7	1967.3	1459.3				
182	18.4	835.7	583.7	247	12.0	1979.4	1467.4				
183	18.5	854.2	598.2	248	11.7	1991.1	1475.1				
184	18.7	873.0	613.0	249	11.7	2002.8	1482.8				

STN 117 DEPTH 2M







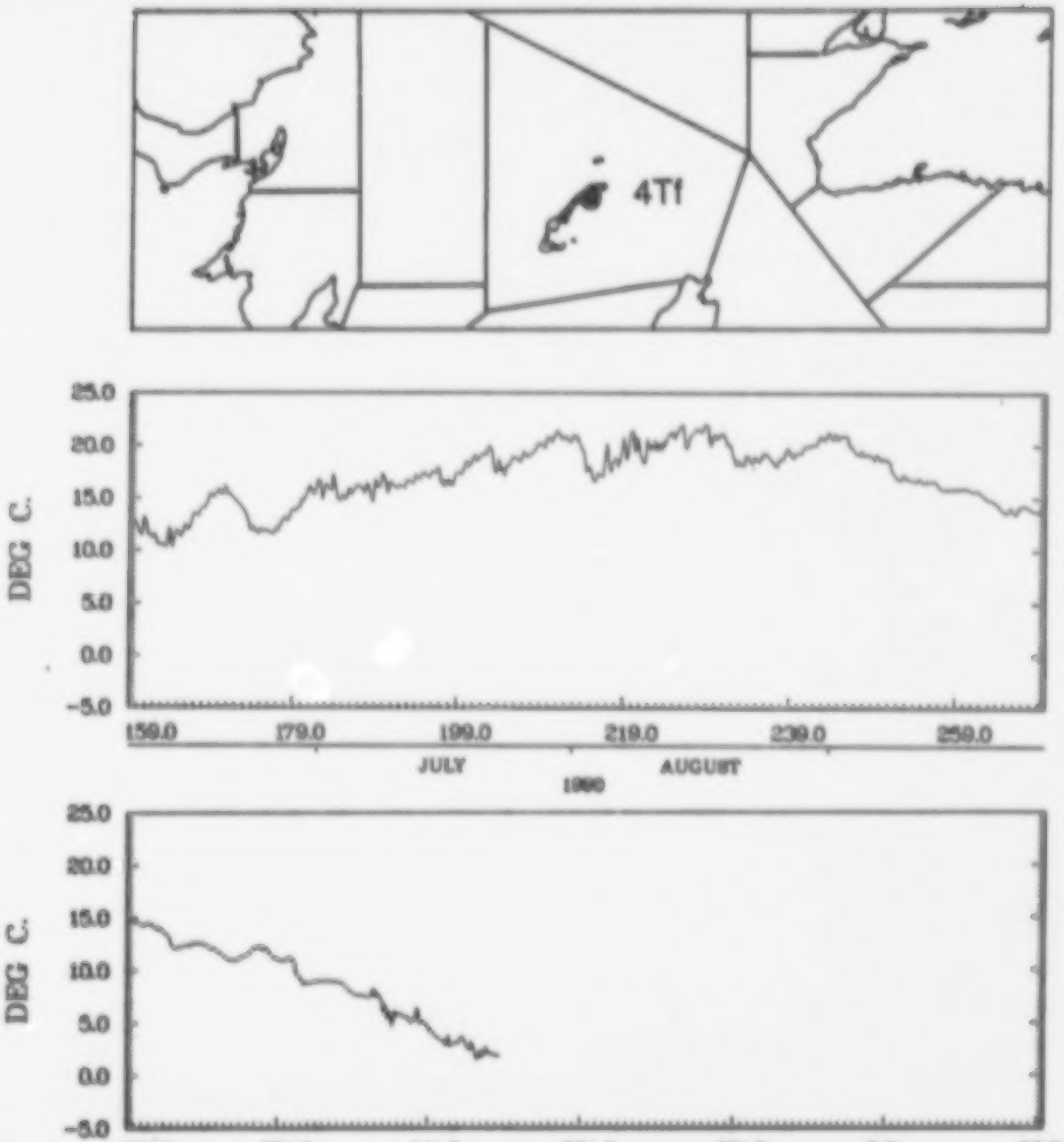
GRANDE ENTREE PQ (ILES DE LA MADELEINE)
47.56N 61.53W 1900Z 29/04/88 - 0700Z 31/10/88
INST. 64079

GRANDE ENTREE PQ (ILES DE LA MADELEINE) STA. 4TF 119

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
6.0M.	2.0M.	47.60	61.50	8/ 6/ 90	16/11/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
159	12.6	12.6	8.6	224	21.0	1079.7	815.7	289	12.0	2143.3	1619.3
160	12.2	24.8	16.8	225	21.4	1101.0	833.0	290	11.3	2154.6	1626.6
161	11.6	36.4	24.4	226	20.6	1121.7	849.7	291	11.0	2165.6	1633.6
162	10.9	47.3	31.3	227	21.3	1143.0	867.0	292	11.1	2176.7	1640.7
163	10.9	58.2	38.2	228	21.6	1164.6	884.6	293	10.0	2186.7	1646.7
164	11.3	69.5	45.5	229	20.8	1185.4	901.4	294	8.9	2195.6	1651.6
165	11.8	81.3	53.3	230	20.9	1206.3	918.3	295	8.9	2204.5	1656.5
166	12.6	93.9	61.9	231	20.1	1226.5	934.5	296	9.0	2213.5	1661.5
167	13.6	107.5	71.5	232	18.5	1245.0	949.0	297	8.9	2222.4	1666.4
168	14.6	122.1	82.1	233	18.6	1263.6	963.6	298	9.0	2231.4	1671.4
169	15.4	137.5	93.5	234	18.6	1282.2	978.2	299	8.8	2240.2	1676.2
170	15.6	153.2	105.2	235	18.8	1301.0	993.0	300	8.2	2248.4	1680.4
171	15.2	168.3	116.3	236	18.9	1319.9	1007.9	301	7.7	2256.0	1684.0
172	14.3	182.7	126.7	237	18.4	1338.3	1022.3	302	7.6	2263.6	1687.6
173	12.8	195.5	135.5	238	19.2	1357.5	1037.5	303	7.8	2271.4	1691.4
174	11.9	207.4	143.4	239	19.1	1376.6	1052.6	304	7.5	2278.9	1694.9
175	11.9	219.3	151.3	240	19.5	1396.2	1068.2	305	6.1	2285.0	1697.0
176	11.8	231.1	159.1	241	20.0	1416.1	1084.1	306	5.5	2290.6	1698.6
177	12.6	243.6	167.6	242	20.5	1436.6	1100.6	307	5.8	2296.3	1700.3
178	13.3	257.0	177.0	243	20.9	1457.5	1117.5	308	5.4	2301.7	1701.7
179	14.1	271.1	187.1	244	20.8	1478.3	1134.3	309	5.6	2307.3	1703.3
180	15.4	286.5	198.5	245	20.9	1499.2	1151.2	310	5.1	2312.4	1704.4
181	15.8	302.3	210.3	246	19.9	1519.1	1167.1	311	4.2	2316.6	1704.6
182	15.9	318.2	222.2	247	19.2	1538.3	1182.3	312	3.5	2320.1	1704.6
183	16.3	334.5	234.5	248	19.1	1557.4	1197.4	313	3.2	2323.3	1704.6
184	15.1	349.6	245.6	249	18.9	1576.3	1212.3	314	3.1	2326.4	1704.6
185	15.3	364.9	256.9	250	18.7	1595.0	1227.0	315	3.4	2329.8	1704.6
186	15.9	380.8	268.8	251	17.5	1612.5	1240.5	316	2.8	2332.6	1704.6
187	16.0	396.8	280.8	252	17.0	1629.5	1253.5	317	2.0	2334.6	1704.6
188	15.6	412.4	292.4	253	16.6	1646.2	1266.2	318	2.2	2336.8	1704.6
189	16.5	429.0	305.0	254	16.7	1662.9	1278.9	319	2.0	2338.9	1704.6
190	16.3	445.2	317.2	255	16.6	1679.5	1291.5	320	1.9	2340.8	1704.6
191	16.1	461.3	329.3	256	16.5	1696.0	1304.0				
192	16.3	477.6	341.6	257	15.9	1711.9	1315.9				
193	16.7	494.2	354.2	258	15.9	1727.8	1327.8				
194	17.1	511.3	367.3	259	15.9	1743.7	1339.7				
195	17.2	528.5	380.5	260	15.8	1759.5	1351.5				
196	17.4	545.9	393.9	261	15.7	1775.2	1363.2				
197	16.5	562.4	406.4	262	15.2	1790.4	1374.4				
198	16.7	579.1	419.1	263	14.7	1805.2	1385.2				
199	17.6	596.7	432.7	264	14.1	1819.3	1395.3				
200	18.4	615.1	447.1	265	13.8	1833.1	1405.1				
201	18.9	634.0	462.0	266	13.8	1846.9	1414.9				
202	19.5	653.5	477.5	267	14.2	1861.2	1425.2				
203	18.2	671.6	491.6	268	13.8	1875.0	1435.0				
204	17.7	689.4	505.4	269	14.0	1889.0	1445.0				
205	18.5	707.9	519.9	270	14.3	1903.3	1455.3				
206	18.8	726.7	534.7	271	14.6	1917.9	1465.9				
207	19.1	745.8	549.8	272	14.5	1932.4	1476.4				
208	19.9	765.7	565.7	273	14.4	1946.8	1486.8				
209	20.3	786.0	582.0	274	14.3	1961.1	1497.1				
210	20.9	806.9	598.9	275	13.9	1975.0	1507.0				
211	20.9	827.8	615.8	276	13.2	1988.3	1516.3				
212	20.6	848.4	632.4	277	12.2	2000.4	1524.4				
213	20.3	868.7	648.7	278	12.3	2012.8	1532.8				
214	18.2	886.9	662.9	279	12.4	2025.2	1541.2				
215	16.9	903.9	675.9	280	12.6	2037.8	1549.8				
216	18.1	922.0	690.0	281	12.4	2050.2	1558.2				
217	18.3	940.3	704.3	282	12.1	2062.3	1566.3				
218	19.1	959.4	719.4	283	11.6	2073.9	1573.9				
219	20.1	979.5	735.5	284	11.1	2085.0	1581.0				
220	20.1	999.6	751.6	285	11.0	2096.0	1588.0				
221	19.2	1018.8	766.8	286	11.3	2107.3	1595.3				
222	19.9	1038.7	782.7	287	11.9	2119.2	1603.2				
223	19.9	1058.6	798.6	288	12.2	2131.4	1611.4				

STN 119 DEPTH 2M



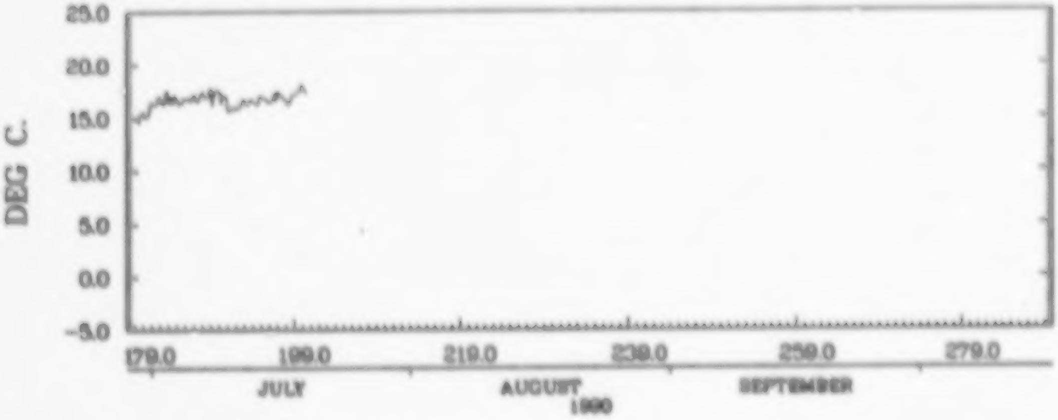
GRANDE ENTREE PQ (ILES DE LA MADELEINE)
47.60N 61.50W 1800Z 08/06/90 - 1000Z 16/11/90
INST. 63807

GRANDE ENTREE PQ (ILES DE LA MADELEINE) STA. 4TF 120

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
6.0M.	2.0M.	47.50	61.60	28/ 6/ 90	19/ 7/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
179	14.9	14.9	10.9								
180	15.0	29.9	21.9								
181	15.5	45.4	33.4								
182	16.5	61.9	45.9								
183	16.8	78.6	58.6								
184	16.8	95.4	71.4								
185	16.5	112.0	84.0								
186	16.8	128.7	96.7								
187	16.9	145.6	109.6								
188	17.1	162.8	122.8								
189	17.3	180.1	136.1								
190	17.0	197.1	149.1								
191	15.8	212.9	160.9								
192	16.2	229.1	173.1								
193	16.5	245.7	185.7								
194	16.5	262.2	198.2								
195	16.8	278.9	210.9								
196	16.8	295.7	223.7								
197	17.1	312.8	236.8								
198	16.7	329.4	249.4								
199	17.5	347.0	263.0								
200	17.6	364.6	276.6								

STN 120 DEPTH 2M



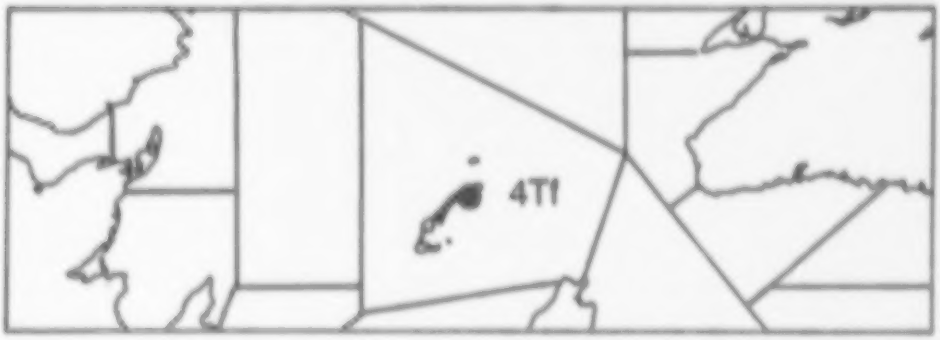
GRANDE ENTREE PQ (ILES DE LA MADELEINE)
47.60N 61.50W 2000Z 28/06/90 - 1200Z 19/07/90
INST. 62862

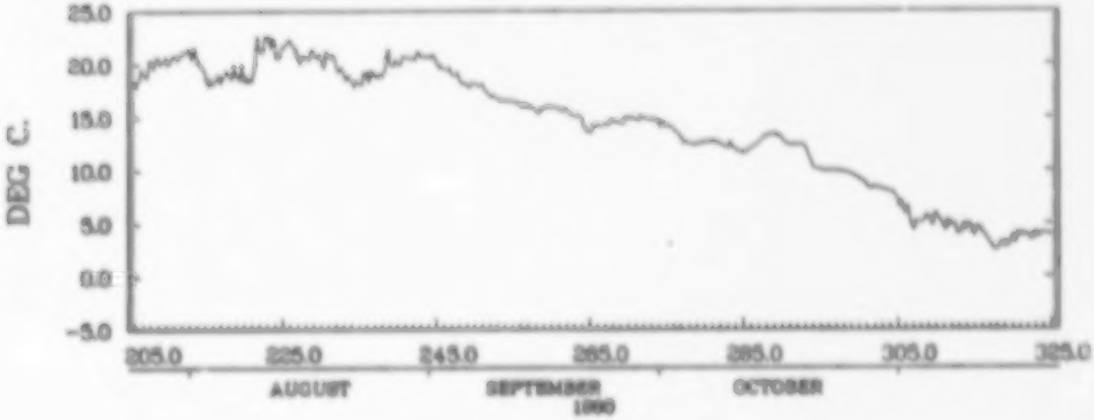
GRANDE ENTREE PQ (ILES DE LA MADELEINE) STA. 4TF 121

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
6.0M.	2.0M.	47.50	61.60	24/ 7/ 90	21/11/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
205	18.4	18.4	14.4	270	14.9	1224.4	960.4				
206	18.7	37.1	29.1	271	14.9	1239.3	971.3				
207	19.5	56.6	44.6	272	14.8	1254.1	982.1				
208	20.3	76.9	60.9	273	14.7	1268.9	992.9				
209	20.3	97.2	77.2	274	14.3	1283.2	1003.2				
210	20.4	117.6	93.6	275	14.1	1297.3	1013.3				
211	20.7	138.3	110.3	276	13.5	1310.7	1022.7				
212	21.2	159.5	127.5	277	12.7	1323.4	1031.4				
213	20.9	180.4	144.4	278	12.4	1335.8	1039.8				
214	19.8	200.2	160.2	279	12.6	1348.4	1048.4				
215	18.4	218.5	174.5	280	12.7	1361.1	1057.1				
216	18.6	237.1	189.1	281	12.7	1373.7	1065.7				
217	19.0	256.1	204.1	282	12.3	1386.0	1074.0				
218	19.1	275.2	219.2	283	12.3	1398.3	1082.3				
219	19.1	294.3	234.3	284	11.8	1410.1	1090.1				
220	18.5	312.8	248.8	285	11.8	1421.9	1097.9				
221	20.5	333.3	265.3	286	12.3	1434.2	1106.2				
222	21.9	355.2	283.2	287	12.9	1447.2	1115.2				
223	22.2	377.4	301.4	288	13.3	1460.5	1124.5				
224	21.0	398.4	318.4	289	13.3	1473.8	1133.8				
225	22.0	420.4	336.4	290	12.6	1486.4	1142.4				
226	21.5	441.9	353.9	291	12.4	1498.8	1150.8				
227	20.6	462.5	370.5	292	12.4	1511.1	1159.1				
228	20.8	483.3	387.3	293	11.3	1522.5	1166.5				
229	20.8	504.1	404.1	294	10.1	1532.6	1172.6				
230	20.5	524.6	420.6	295	10.0	1542.6	1178.6				
231	20.5	545.1	437.1	296	10.0	1552.6	1184.6				
232	19.5	564.6	452.6	297	9.9	1562.5	1190.5				
233	18.7	583.3	467.3	298	9.8	1572.3	1196.3				
234	18.2	601.5	481.5	299	9.4	1581.7	1201.7				
235	18.6	620.2	496.2	300	9.0	1590.7	1206.7				
236	19.0	639.2	511.2	301	8.4	1599.1	1211.1				
237	18.9	658.0	526.0	302	8.3	1607.4	1215.4				
238	20.1	678.1	542.1	303	8.1	1615.5	1219.5				
239	20.1	698.2	558.2	304	7.7	1623.2	1223.2				
240	20.3	718.5	574.5	305	6.5	1629.7	1225.7				
241	20.6	739.1	591.1	306	5.6	1635.4	1227.4				
242	20.8	759.9	607.9	307	5.0	1640.4	1228.4				
243	20.7	780.7	624.7	308	5.4	1645.8	1229.8				
244	20.7	801.4	641.4	309	5.4	1651.2	1231.2				
245	19.8	821.2	657.2	310	5.3	1656.4	1232.4				
246	19.5	840.7	672.7	311	4.9	1661.3	1233.3				
247	19.0	859.7	687.7	312	4.5	1665.8	1233.8				
248	18.2	877.9	701.9	313	4.5	1670.3	1234.3				
249	18.1	896.0	716.0	314	4.6	1674.9	1234.9				
250	18.1	914.1	730.1	315	4.4	1679.3	1235.3				
251	17.5	931.6	743.6	316	3.7	1683.0	1235.3				
252	16.9	948.5	756.5	317	2.7	1685.8	1235.3				
253	16.6	965.1	769.1	318	2.9	1688.6	1235.3				
254	16.5	981.6	781.6	319	3.2	1691.8	1235.3				
255	16.4	998.1	794.1	320	3.7	1695.5	1235.3				
256	16.1	1014.1	806.1	321	3.9	1699.4	1235.3				
257	15.9	1030.0	818.0	322	3.7	1703.1	1235.3				
258	15.6	1045.6	829.6	323	4.0	1707.1	1235.3				
259	15.9	1061.6	841.6	324	4.0	1711.1	1235.3				
260	15.9	1077.5	853.5	325	4.0	1715.1	1235.3				
261	15.7	1093.2	865.2								
262	15.3	1108.5	876.5								
263	15.0	1123.5	887.5								
264	13.9	1137.5	897.5								
265	14.0	1151.5	907.5								
266	14.2	1165.7	917.7								
267	14.4	1180.2	928.2								
268	14.6	1194.8	938.8								
269	14.7	1209.4	949.4								

STN 121 DEPTH 2M





GRANDE ENTREE PQ (ILES DE LA MADELEINE)
47.60N 61.50W 1300Z 24/07/90 - 1300Z 21/11/90
INST. 62862

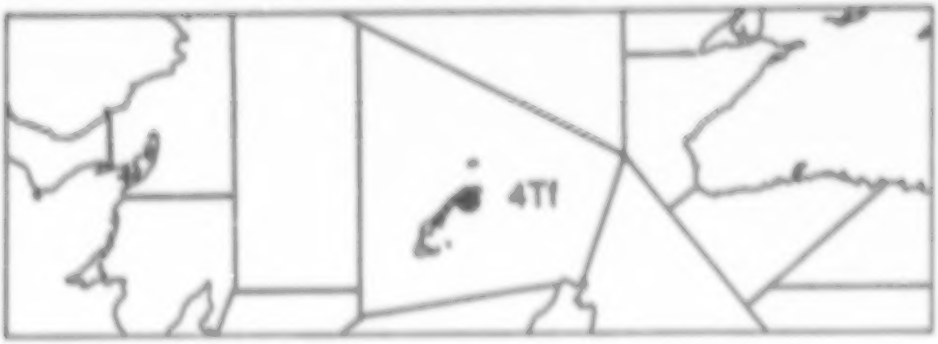
GROSSE ILE PQ (ILES DE LA MADELEINE)

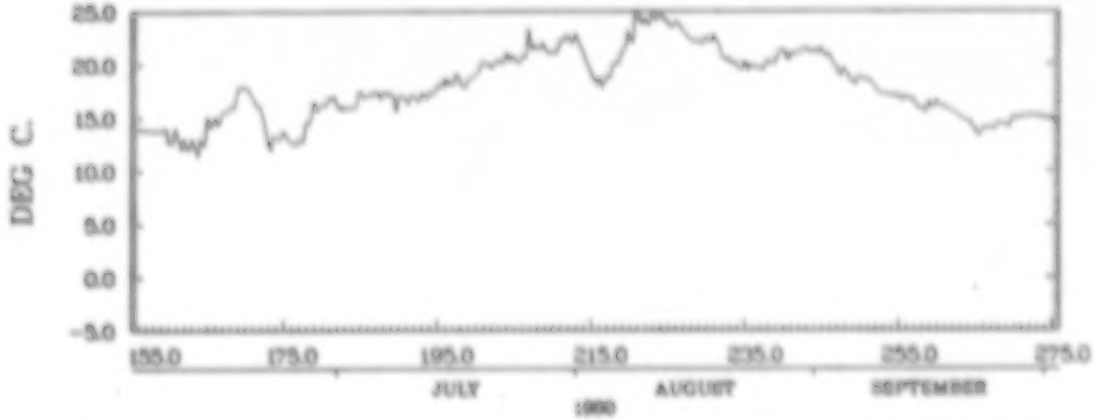
STA. 4TF 118

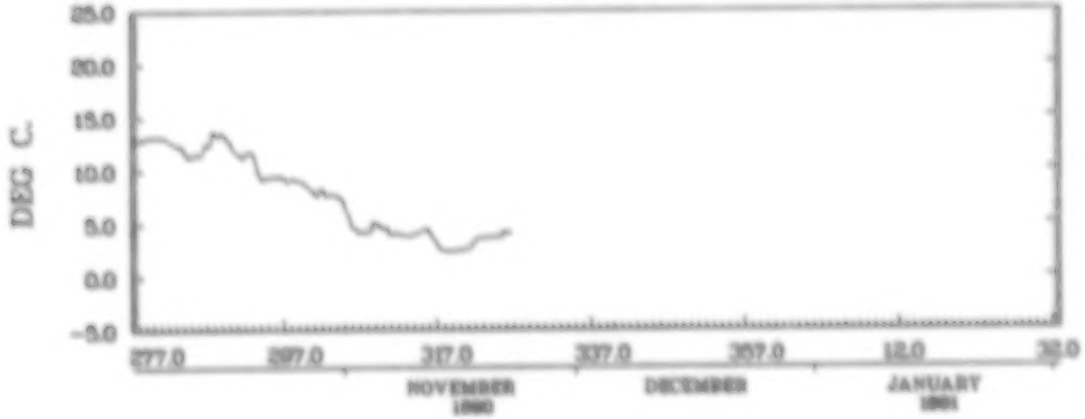
WATER DEPTH 6.0M.
INST DEPTH 2.0M.
LATITUDE 47.60
LONGITUDE 61.50
FROM 4/ 6/ 90
TO 22/11/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
155	14.0	14.0	10.0	220	23.2	1138.2	874.2	285	11.5	2295.1	1771.1
156	13.9	27.9	19.9	221	24.3	1162.5	894.5	286	11.9	2307.0	1779.0
157	13.8	41.7	29.7	222	24.2	1186.7	914.7	287	13.1	2320.1	1788.1
158	13.8	55.5	39.5	223	24.5	1211.2	935.2	288	13.4	2333.5	1797.5
159	13.7	69.2	49.2	224	24.4	1235.6	955.6	289	13.1	2346.6	1806.6
160	13.2	82.3	58.3	225	23.7	1259.3	975.3	290	12.0	2358.6	1814.6
161	12.7	95.1	67.1	226	23.7	1283.0	995.0	291	11.4	2370.0	1822.0
162	12.4	107.4	75.4	227	22.8	1305.8	1013.8	292	11.7	2381.6	1829.6
163	12.2	119.6	83.6	228	22.2	1328.0	1032.0	293	10.5	2392.1	1836.1
164	12.9	132.6	92.6	229	22.2	1350.3	1050.3	294	9.2	2401.4	1841.4
165	14.6	147.1	103.1	230	22.4	1372.7	1068.7	295	9.4	2410.7	1846.7
166	14.8	161.9	113.9	231	22.0	1394.7	1086.7	296	9.4	2420.1	1852.1
167	15.6	177.6	125.6	232	20.6	1415.3	1103.3	297	9.1	2429.3	1857.3
168	16.3	193.9	137.9	233	20.2	1435.5	1119.5	298	9.2	2438.4	1862.4
169	17.9	211.7	151.7	234	19.9	1455.4	1135.4	299	8.9	2447.3	1867.3
170	17.5	229.2	165.2	235	19.8	1475.2	1151.2	300	8.3	2455.6	1871.6
171	16.4	245.6	177.6	236	19.8	1495.0	1167.0	301	7.9	2463.5	1875.5
172	14.5	260.2	188.2	237	19.9	1514.9	1182.9	302	7.8	2471.3	1879.3
173	12.7	272.9	196.9	238	20.3	1535.1	1199.1	303	7.7	2479.0	1883.0
174	13.2	286.1	206.1	239	21.0	1556.2	1216.2	304	7.4	2486.4	1886.4
175	13.3	299.3	215.3	240	20.9	1577.1	1233.1	305	5.7	2492.1	1888.1
176	12.6	312.0	224.0	241	21.0	1598.1	1250.1	306	4.4	2496.5	1888.5
177	13.2	325.2	233.2	242	21.4	1619.5	1267.5	307	4.2	2500.7	1888.7
178	15.2	340.4	244.4	243	21.3	1640.7	1284.7	308	4.6	2505.3	1889.3
179	16.0	356.4	256.4	244	21.3	1662.1	1302.1	309	4.8	2510.1	1890.1
180	16.4	372.8	268.8	245	21.0	1683.1	1319.1	310	4.4	2514.5	1890.5
181	16.8	389.6	281.6	246	20.3	1703.3	1335.3	311	4.0	2518.5	1890.5
182	16.0	405.6	293.6	247	19.3	1722.6	1350.6	312	3.9	2522.4	1890.5
183	15.9	421.5	305.5	248	18.9	1741.5	1365.5	313	3.9	2526.3	1890.5
184	16.5	438.0	318.0	249	18.5	1759.9	1379.9	314	4.1	2530.4	1890.6
185	17.1	455.0	331.0	250	18.6	1778.6	1394.6	315	4.4	2534.8	1891.0
186	17.2	472.3	344.3	251	18.3	1796.9	1408.9	316	3.7	2538.4	1891.0
187	17.2	489.4	357.4	252	17.4	1814.3	1422.3	317	2.6	2541.1	1891.0
188	17.3	506.7	370.7	253	17.2	1831.5	1435.5	318	2.4	2543.4	1891.0
189	16.6	523.3	383.3	254	17.1	1848.6	1448.6	319	2.4	2545.8	1891.0
190	17.0	540.3	396.3	255	16.9	1865.5	1461.5	320	2.5	2548.4	1891.0
191	16.8	557.1	409.1	256	16.8	1882.3	1474.3	321	2.9	2551.3	1891.0
192	16.8	573.9	421.9	257	16.1	1898.4	1486.4	322	3.6	2554.9	1891.0
193	17.1	591.0	435.0	258	16.0	1914.4	1498.4	323	3.7	2558.6	1891.0
194	17.4	608.5	448.5	259	16.2	1930.6	1510.6	324	3.7	2562.3	1891.0
195	18.1	626.6	462.6	260	16.1	1946.7	1522.7	325	4.0	2566.3	1891.0
196	18.4	644.9	476.9	261	15.8	1962.5	1534.5	326	4.2	2570.4	1891.1
197	18.7	663.6	491.6	262	15.4	1977.8	1545.8				
198	18.1	681.7	505.7	263	14.9	1992.7	1556.7				
199	18.7	700.5	520.5	264	14.3	2007.0	1567.0				
200	19.6	720.1	536.1	265	13.6	2020.7	1576.7				
201	20.1	740.2	552.2	266	14.0	2034.7	1586.7				
202	20.1	760.3	568.3	267	14.2	2048.9	1596.9				
203	20.4	780.6	584.6	268	14.4	2063.3	1607.3				
204	20.7	801.4	601.4	269	14.6	2077.9	1617.9				
205	20.4	821.8	617.8	270	15.0	2092.9	1628.9				
206	21.4	843.2	635.2	271	15.1	2108.1	1640.1				
207	21.8	865.0	653.0	272	15.2	2123.3	1651.3				
208	21.7	886.7	670.7	273	15.1	2138.4	1662.4				
209	21.2	907.9	687.9	274	14.9	2153.4	1673.4				
210	21.4	929.3	705.3	275	14.7	2168.1	1684.1				
211	22.4	951.7	723.7	276	14.0	2182.1	1694.1				
212	22.4	974.1	742.1	277	13.0	2195.1	1703.1				
213	22.0	996.2	760.2	278	12.9	2208.0	1712.0				
214	20.2	1016.4	776.4	279	13.1	2221.2	1721.2				
215	18.6	1035.1	791.1	280	13.2	2234.3	1730.3				
216	18.4	1053.4	805.4	281	13.0	2247.4	1739.4				
217	19.2	1072.6	820.6	282	12.6	2260.0	1748.0				
218	20.4	1093.0	837.0	283	12.2	2272.2	1756.2				
219	22.0	1115.0	855.0	284	11.4	2283.6	1763.6				

STN 118 DEPTH 2M







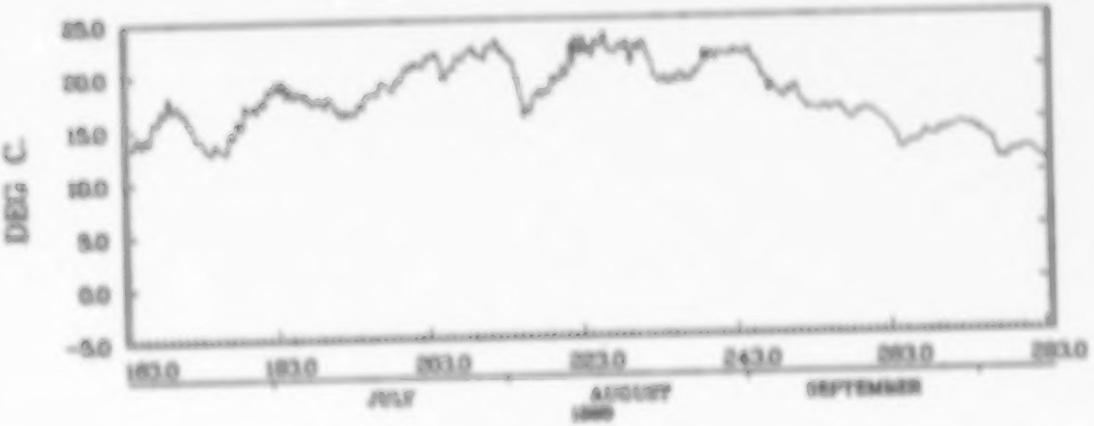
GROSSE ILE PQ (ILES DE LA MADELEINE)
47.60N 61.50W 1400Z 04/06/90 - 1400Z 22/11/90
INST. 63439

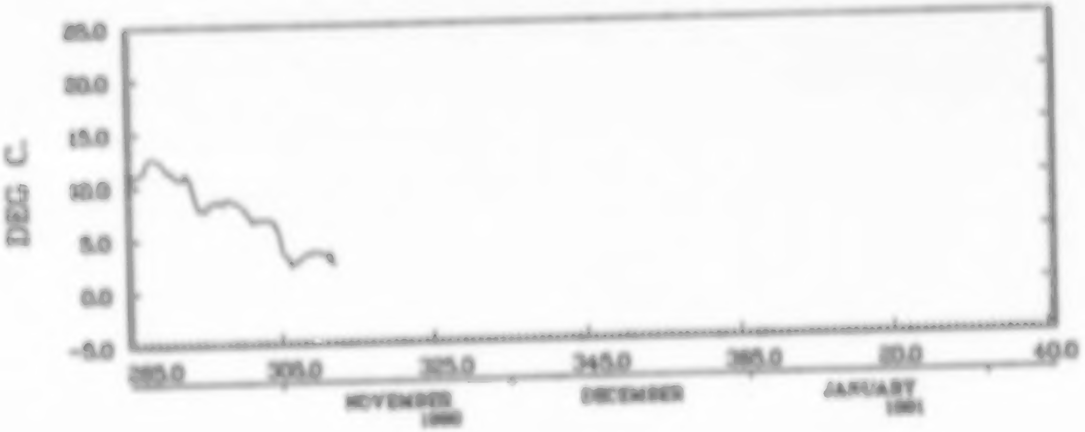
HAVRE AUBERT PQ (ILES DE LA MADELEINE) STA. 477 122

WATER DEPTH 5.0M. INST DEPTH 2.0M. LATITUDE 47.20 LONGITUDE 61.90 FROM 12/ 6/ 90 TO 8/11/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
163	13.4	13.4	9.4
164	13.8	27.2	19.2
165	13.8	41.0	29.0
166	14.5	55.5	39.5
167	15.9	71.4	51.4
168	16.9	88.3	64.3
169	17.1	105.4	77.4
170	16.7	122.0	90.0
171	15.7	137.7	101.7
172	14.3	152.0	112.0
173	13.4	165.3	121.3
174	13.1	178.4	130.4
175	13.1	191.5	139.5
176	13.4	205.0	149.0
177	14.7	219.7	159.7
178	15.9	235.6	171.6
179	16.8	252.4	184.4
180	17.0	269.5	197.5
181	17.8	287.2	211.2
182	18.7	305.9	225.9
183	18.9	324.8	240.8
184	18.4	343.2	255.2
185	18.1	361.3	269.3
186	18.1	379.3	283.3
187	17.5	396.8	296.8
188	17.4	414.3	310.3
189	17.3	431.6	323.6
190	17.2	448.7	336.7
191	16.3	465.1	349.1
192	16.3	481.4	361.4
193	16.5	497.9	373.9
194	17.3	515.2	387.2
195	18.1	533.3	401.3
196	18.5	551.8	415.8
197	18.9	570.7	430.7
198	18.7	589.4	445.4
199	18.6	608.1	461.1
200	20.5	629.6	477.6
201	20.8	650.4	494.4
202	21.0	671.4	511.4
203	21.6	693.0	529.0
204	20.9	713.9	545.9
205	19.9	733.8	561.8
206	20.9	754.7	578.7
207	21.4	776.1	596.1
208	22.1	798.2	614.2
209	21.7	819.9	631.9
210	21.8	841.7	649.7
211	22.6	864.3	668.3
212	22.2	886.5	686.5
213	21.3	907.8	703.8
214	19.7	927.5	719.5
215	16.7	944.1	732.1
216	16.9	961.0	745.0
217	17.9	978.9	758.9
218	18.1	997.0	773.0
219	19.3	1016.3	788.3
220	19.7	1036.0	804.0
221	21.1	1057.1	821.1
222	22.4	1079.5	839.5
223	22.4	1102.0	858.0
224	22.1	1124.1	876.1
225	22.8	1146.9	894.9
226	22.1	1169.0	913.0
227	22.0	1191.1	931.1
228	22.3	1213.4	949.4
229	21.6	1235.0	967.0
230	22.3	1257.3	985.3
231	21.6	1278.9	1002.9
232	19.9	1298.8	1018.8
233	19.1	1317.9	1033.9
234	19.0	1336.9	1048.9
235	19.3	1356.2	1064.2
236	19.0	1375.2	1079.2
237	19.5	1394.7	1094.7
238	20.5	1415.2	1111.2
239	21.4	1436.6	1128.6
240	21.3	1457.9	1145.9
241	21.5	1479.4	1163.4
242	21.6	1501.0	1181.0
243	21.6	1522.6	1198.6
244	21.7	1544.3	1216.3
245	20.7	1565.0	1233.0
246	19.6	1584.6	1248.6
247	18.4	1603.0	1263.0
248	17.8	1620.8	1276.8
249	17.7	1638.5	1290.5
250	18.1	1656.6	1304.6
251	17.2	1673.8	1317.8
252	16.3	1690.1	1330.1
253	16.2	1706.3	1342.3
254	16.3	1722.6	1354.6
255	16.2	1738.8	1366.8
256	16.3	1755.1	1379.1
257	15.6	1770.7	1390.7
258	15.4	1786.1	1402.1
259	16.0	1802.1	1414.1
260	16.0	1818.1	1426.1
261	15.5	1833.6	1437.6
262	14.9	1848.5	1448.5
263	14.0	1862.5	1458.5
264	12.5	1875.0	1467.0
265	12.8	1887.8	1475.8
266	13.0	1900.8	1484.8
267	13.6	1914.4	1494.4
268	13.6	1928.0	1504.0
269	13.9	1941.9	1513.9
270	14.2	1956.1	1524.1
271	14.4	1970.5	1534.5
272	14.6	1985.1	1545.1
273	14.4	1999.5	1555.5
274	14.1	2013.6	1565.6
275	13.6	2027.2	1575.2
276	12.7	2039.9	1583.9
277	11.4	2051.3	1591.3
278	11.6	2062.9	1598.9
279	12.0	2074.9	1606.9
280	12.1	2087.0	1615.0
281	12.2	2099.2	1623.2
282	11.5	2110.7	1630.7
283	10.9	2121.6	1637.6
284	10.5	2132.1	1644.1
285	10.7	2142.8	1650.8
286	11.1	2153.9	1657.9
287	12.0	2165.9	1665.9
288	12.6	2178.5	1674.5
289	12.1	2190.6	1682.6
290	11.4	2202.0	1690.0
291	10.8	2212.8	1696.8
292	10.9	2223.7	1703.7
293	9.5	2233.2	1709.2
294	7.9	2241.1	1713.1
295	8.0	2249.1	1717.1
296	8.5	2257.6	1721.6
297	8.4	2266.0	1726.0
298	8.0	2274.0	1730.0
299	8.8	2282.8	1734.8
300	7.5	2290.3	1738.3
301	6.7	2297.0	1741.0
302	6.7	2303.7	1743.7
303	6.7	2310.4	1746.4
304	5.9	2316.3	1748.3
305	3.6	2319.9	1748.3
306	2.6	2322.5	1748.3
307	3.0	2325.5	1748.3
308	3.5	2329.0	1748.3
309	3.6	2332.6	1748.3
310	3.5	2336.1	1748.3
311	3.1	2339.2	1748.3
312	2.5	2341.7	1748.3

STN 122 DEPTH 2M





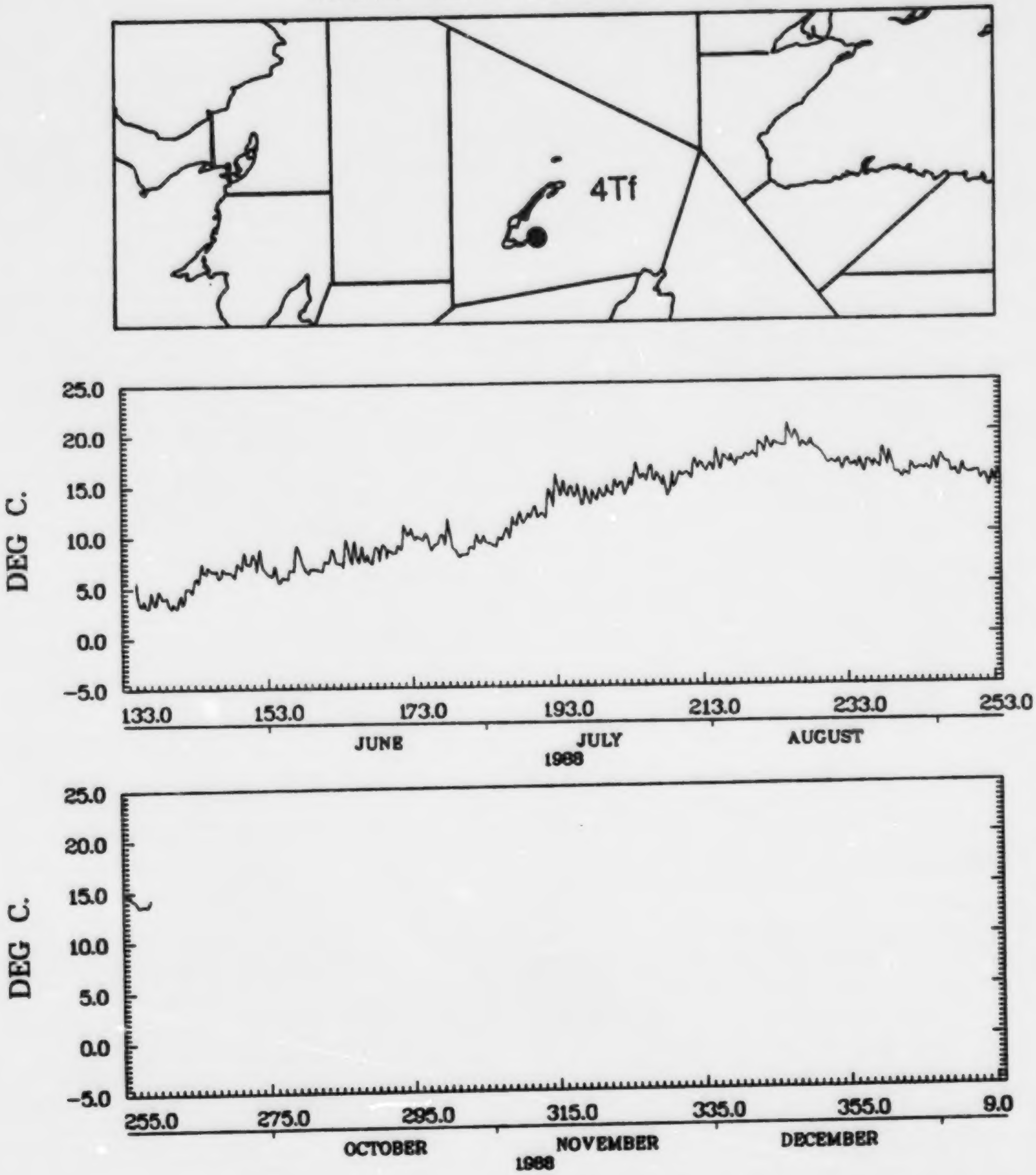
HAVRE AUBERT PQ (ILES DE LA MADELEINE)
47.20N 61.90W 1800Z 12/06/90 - 0600Z 08/11/90
INST. 61672

ILE D'ENTREE PQ (ILES DE LA MADELEINE) STA. 4TF 116

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
1.0M.	.0M.	47.27	61.70	13/ 5/ 88	14/ 9/ 88

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
134	5.7	5.7	1.7
135	3.7	9.3	1.7
136	3.5	12.8	1.7
137	3.9	16.8	1.7
138	4.1	20.9	1.8
139	3.4	24.4	1.8
140	3.5	27.8	1.8
141	4.1	32.0	1.9
142	5.0	37.0	3.0
143	6.2	43.2	5.2
144	6.6	49.9	7.8
145	6.7	56.5	10.5
146	6.3	62.8	12.8
147	6.5	69.4	15.4
148	6.7	76.1	18.0
149	7.6	83.6	21.6
150	7.6	91.2	25.2
151	7.8	99.0	29.0
152	6.8	105.8	31.8
153	6.4	112.2	34.2
154	5.9	118.2	36.1
155	6.0	124.2	38.2
156	7.4	131.6	41.5
157	8.0	139.5	45.5
158	6.7	146.2	48.2
159	6.8	153.0	50.9
160	6.9	159.9	53.9
161	8.0	167.9	57.8
162	7.6	175.5	61.5
163	8.2	183.7	65.6
164	8.4	192.1	70.1
165	8.2	200.2	74.2
166	7.8	208.1	78.0
167	8.0	216.1	82.1
168	8.6	224.7	86.7
169	8.6	233.3	91.2
170	8.5	241.7	95.7
171	9.6	251.3	101.3
172	10.3	261.7	107.6
173	9.8	271.5	113.5
174	9.9	281.3	119.3
175	9.0	290.4	124.3
176	9.5	299.9	129.8
177	10.3	310.1	136.1
178	9.1	319.2	141.2
179	8.1	327.3	145.3
180	8.4	335.7	149.6
181	9.2	344.9	154.9
182	9.5	354.4	160.4
183	9.2	363.6	165.6
184	9.2	372.8	170.8
185	10.0	382.8	176.8
186	10.7	393.5	183.5
187	11.5	405.0	191.0
188	11.5	416.5	198.5
189	12.3	428.8	206.8
190	12.0	440.8	214.8
191	12.9	453.7	223.7
192	14.3	468.1	234.0
193	14.6	482.7	244.6
194	14.4	497.0	255.0
195	14.2	511.2	265.2
196	13.6	524.8	274.8
197	13.6	538.4	284.4
198	13.9	552.3	294.3
199	14.1	566.4	304.4
200	14.4	580.9	314.8
201	15.0	595.8	325.8
202	14.6	610.4	336.4
203	15.8	626.2	348.2
204	15.7	641.9	359.9
205	16.1	658.0	372.0
206	15.6	673.6	383.6
207	15.0	688.6	394.6
208	14.6	703.2	405.2
209	15.4	718.7	416.7
210	15.9	734.6	428.6
211	16.4	751.0	440.9
212	16.8	767.7	453.7
213	16.5	784.3	466.2
214	17.1	801.4	479.4
215	17.0	818.4	492.4
216	17.3	835.8	505.8
217	17.0	852.8	518.8
218	17.5	870.3	532.3
219	17.7	888.1	546.0
220	18.2	906.3	560.2
221	18.7	925.0	574.9
222	18.7	943.6	589.6
223	18.7	962.3	604.3
224	19.5	981.8	619.8
225	19.6	1001.5	635.4
226	18.9	1020.4	650.4
227	18.8	1039.2	665.1
228	18.4	1057.6	679.6
229	17.7	1075.3	693.3
230	16.9	1092.2	706.2
231	16.9	1109.2	719.1
232	16.7	1125.9	731.8
233	16.7	1142.6	744.6
234	16.7	1159.3	757.3
235	16.6	1176.0	769.9
236	16.7	1192.7	782.6
237	17.3	1209.9	795.9
238	17.2	1227.2	809.1
239	16.0	1243.2	821.2
240	15.6	1258.8	832.8
241	16.1	1274.9	844.9
242	16.2	1291.1	857.1
243	16.3	1307.4	869.3
244	16.5	1323.9	881.9
245	16.9	1340.8	894.8
246	16.8	1357.7	907.6
247	16.0	1373.6	919.6
248	15.9	1389.6	931.5
249	15.8	1405.3	943.3
250	15.9	1421.2	955.2
251	15.4	1436.6	966.6
252	15.0	1451.6	977.6
253	15.5	1467.1	989.0
254	15.2	1482.2	1000.2
255	14.8	1497.0	1011.0
256	14.1	1511.1	1021.0
257	13.6	1524.7	1030.7
258	13.8	1538.6	1040.5

STN 116 DEPTH 1M



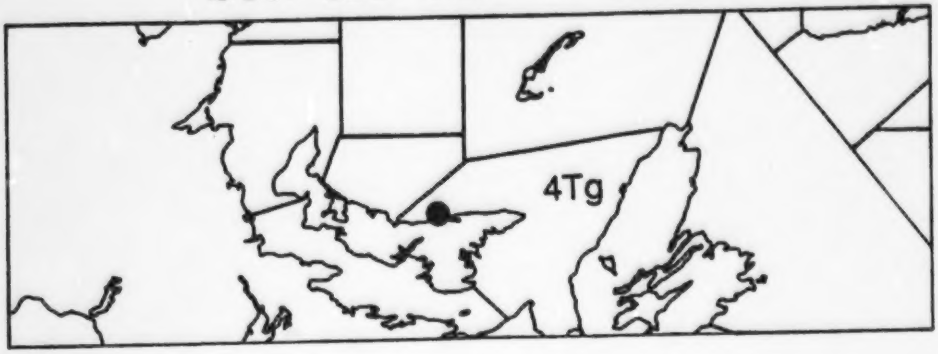
ILE D'ENTREE PQ (ILES DE LA MADELEINE)
47.27N 61.70W 2300Z 13/05/88 - 1500Z 14/09/88
INST. 62906

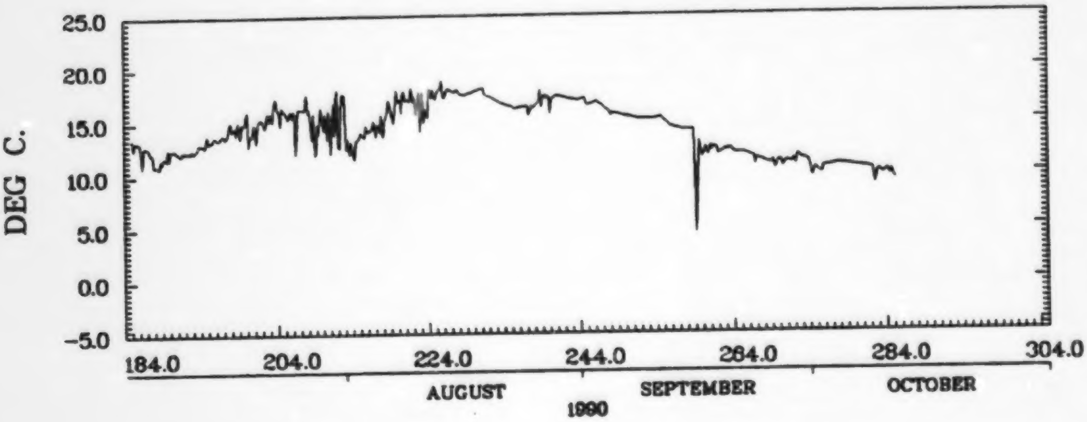
SAVAGE HBR PEI STA. 4TG 115

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
20.0M.	.0M.	46.46	62.85	3/ 7/ 90	12/10/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
184	13.5	13.5	9.5	249	15.5	1013.6	749.6				
185	13.2	26.6	18.6	250	15.3	1028.9	760.9				
186	12.4	39.0	27.0	251	15.2	1044.1	772.1				
187	12.1	51.1	35.1	252	15.1	1059.3	783.3				
188	11.1	62.2	42.2	253	15.2	1074.4	794.4				
189	11.8	74.0	50.0	254	15.2	1089.7	805.7				
190	12.4	86.4	58.4	255	14.6	1104.3	816.3				
191	12.2	98.5	66.5	256	14.3	1118.6	826.6				
192	12.3	110.8	74.8	257	14.1	1132.7	836.7				
193	12.6	123.4	83.4	258	13.4	1146.1	846.1				
194	13.1	136.5	92.5	259	10.2	1156.3	852.3				
195	13.4	149.9	101.9	260	12.1	1168.4	860.4				
196	13.6	163.6	111.6	261	12.2	1180.7	868.7				
197	14.2	177.7	121.7	262	12.0	1192.7	876.7				
198	14.5	192.2	132.2	263	12.2	1204.9	884.9				
199	14.6	206.8	142.8	264	11.9	1216.8	892.8				
200	14.2	221.0	153.0	265	11.8	1228.6	900.6				
201	14.6	235.6	163.6	266	11.4	1240.0	908.0				
202	15.1	250.7	174.7	267	11.2	1251.3	915.3				
203	16.2	266.9	186.9	268	10.9	1262.2	922.2				
204	15.9	282.8	198.8	269	10.9	1273.1	929.1				
205	15.7	298.5	210.5	270	10.9	1284.0	936.0				
206	15.1	313.6	221.6	271	11.1	1295.1	943.1				
207	16.4	330.0	234.0	272	11.3	1306.4	950.4				
208	14.5	344.5	244.5	273	11.2	1317.6	957.6				
209	14.6	359.1	255.1	274	10.1	1327.7	963.7				
210	14.9	374.0	266.0	275	10.2	1337.9	969.9				
211	15.5	389.5	277.5	276	10.6	1348.5	976.5				
212	15.7	405.3	289.3	277	10.7	1359.3	983.3				
213	12.7	417.9	297.9	278	10.7	1370.0	990.0				
214	12.8	430.8	306.8	279	10.6	1380.6	996.6				
215	14.0	444.8	316.8	280	10.5	1391.1	1003.1				
216	14.4	459.2	327.2	281	10.4	1401.5	1009.5				
217	14.4	473.7	337.7	282	9.7	1411.3	1015.3				
218	15.7	489.3	349.3	283	10.0	1421.3	1021.3				
219	16.2	505.6	361.6	284	9.9	1431.1	1027.1				
220	17.0	522.6	374.6								
221	17.2	539.8	387.8								
222	16.4	556.2	400.2								
223	16.1	572.3	412.3								
224	17.6	590.0	426.0								
225	18.0	608.0	440.0								
226	17.8	625.8	453.8								
227	17.9	643.6	467.6								
228	17.5	661.2	481.2								
229	17.7	678.9	494.9								
230	18.0	696.8	508.8								
231	17.7	714.5	522.5								
232	17.2	731.7	535.7								
233	16.8	748.5	548.5								
234	16.5	765.0	561.0								
235	16.2	781.2	573.2								
236	16.4	797.6	585.6								
237	16.2	813.7	597.7								
238	16.8	830.6	610.6								
239	17.3	847.8	623.8								
240	17.0	864.8	636.8								
241	17.3	882.1	650.1								
242	17.1	899.2	663.2								
243	17.0	916.2	676.2								
244	16.9	933.1	689.1								
245	16.6	949.7	701.7								
246	16.6	966.4	714.4								
247	16.0	982.4	726.4								
248	15.6	998.1	738.1								

STN 115 DEPTH 20M





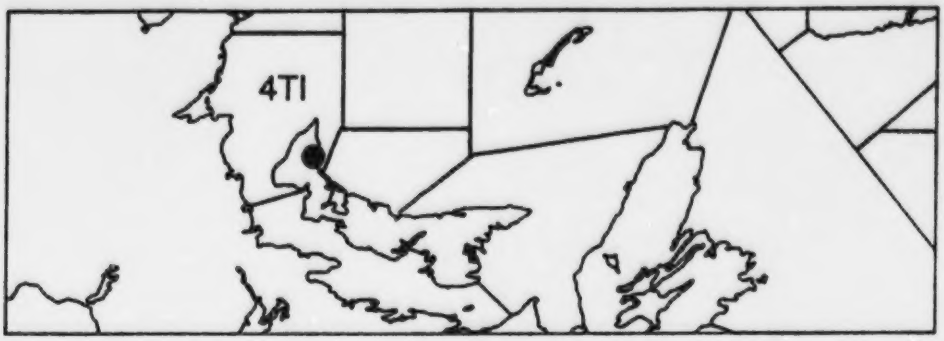
SAVAGE HBR PEI
46.46N 62.85W 2200Z 03/07/90 - 0200Z 12/10/90
INST. 64158

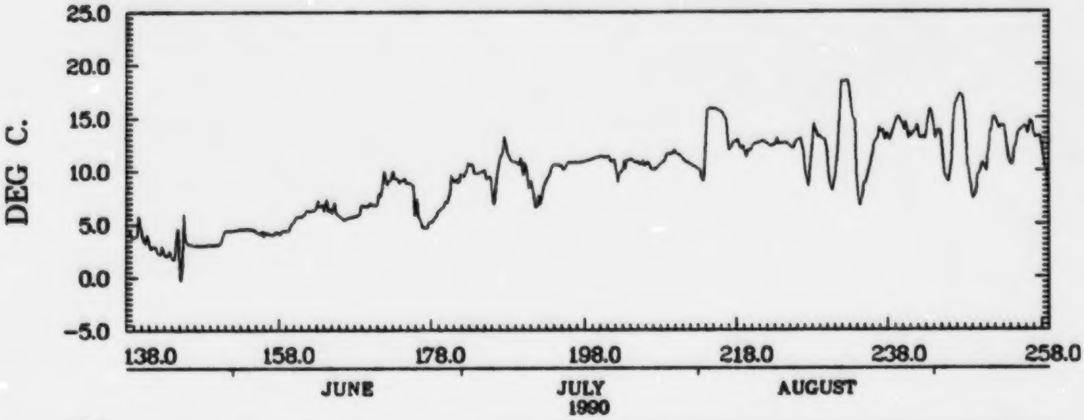
ALBERTON PEI STA. 4TL 109

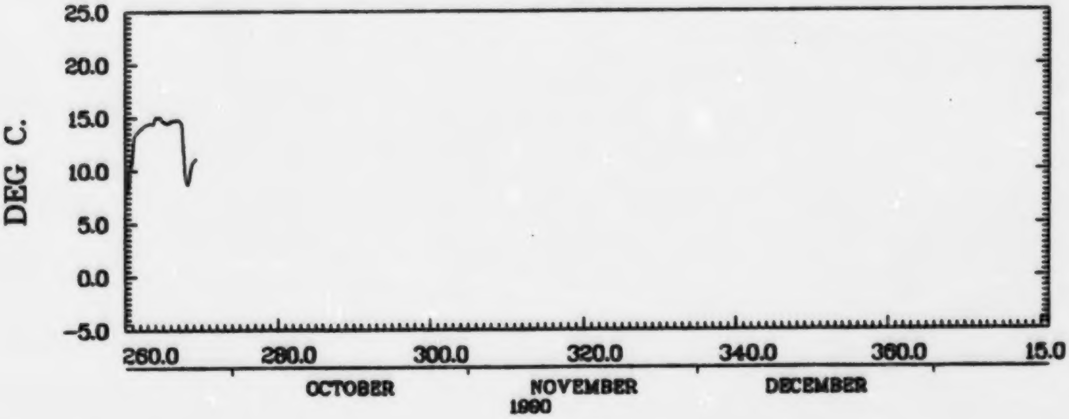
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
20.0M.	20.0M.	46.83	64.05	18/ 5/ 90	26/ 9/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
138	4.1	4.1	.1	203	10.7	456.5	204.3	268	9.7	1267.8	755.6
139	4.4	8.4	.4	204	10.9	467.5	211.2	269	11.0	1278.9	762.7
140	3.7	12.1	.4	205	10.7	478.1	217.9				
141	2.9	15.0	.4	206	10.5	488.7	224.5				
142	2.4	17.4	.4	207	10.3	499.0	230.8				
143	2.2	19.6	.4	208	11.0	510.0	237.8				
144	2.9	22.5	.4	209	11.7	521.7	245.5				
145	2.4	24.9	.4	210	11.5	533.2	253.0				
146	3.1	28.0	.4	211	10.9	544.0	259.8				
147	3.0	31.0	.4	212	10.4	554.5	266.3				
148	3.0	34.0	.4	213	9.7	564.2	272.0				
149	3.0	37.1	.4	214	15.3	579.6	283.3				
150	3.6	40.6	.4	215	15.8	595.3	295.1				
151	4.3	45.0	.8	216	14.8	610.1	305.9				
152	4.4	49.4	1.2	217	12.4	622.6	314.4				
153	4.5	53.9	1.7	218	12.5	635.1	322.9				
154	4.5	58.4	2.2	219	11.8	646.9	330.7				
155	4.2	62.6	2.4	220	12.5	659.4	339.2				
156	4.1	66.7	2.5	221	12.7	672.1	347.9				
157	4.1	70.8	2.6	222	12.4	684.6	356.4				
158	4.2	75.1	2.9	223	12.7	697.2	365.0				
159	4.7	79.7	3.5	224	12.6	709.9	373.6				
160	5.6	85.3	5.1	225	12.4	722.3	382.0				
161	6.0	91.3	7.1	226	12.7	735.0	390.8				
162	6.3	97.6	9.4	227	9.6	744.6	396.4				
163	6.8	104.4	12.2	228	13.6	758.2	406.0				
164	6.5	110.9	14.7	229	12.9	771.1	414.9				
165	6.2	117.2	17.0	230	9.1	780.2	420.0				
166	5.5	122.7	18.5	231	13.5	793.7	429.5				
167	5.7	128.4	20.2	232	18.4	812.0	443.8				
168	6.0	134.4	22.1	233	14.6	826.6	454.4				
169	6.7	141.1	24.9	234	7.6	834.3	458.1				
170	6.8	147.9	27.7	235	10.0	844.3	464.1				
171	8.3	156.2	32.0	236	12.9	857.2	473.0				
172	9.1	165.3	37.1	237	13.5	870.7	482.5				
173	9.3	174.6	42.4	238	13.5	884.2	492.0				
174	9.0	183.6	47.4	239	14.8	899.0	502.8				
175	8.3	191.9	51.7	240	13.9	912.9	512.7				
176	5.8	197.7	53.5	241	13.7	926.6	522.4				
177	4.8	202.5	54.3	242	13.2	939.8	531.6				
178	5.5	208.0	55.8	243	14.9	954.7	542.5				
179	6.6	214.6	58.4	244	13.6	968.4	552.2				
180	8.1	222.6	62.4	245	10.1	978.5	558.3				
181	9.1	231.8	67.6	246	13.0	991.5	567.3				
182	9.9	241.6	73.4	247	16.9	1008.4	580.1				
183	10.3	251.9	79.7	248	11.2	1019.5	587.3				
184	9.9	261.8	85.6	249	8.3	1027.8	591.6				
185	9.5	271.3	91.1	250	10.4	1038.2	598.0				
186	8.7	279.9	95.7	251	13.5	1051.7	607.5				
187	12.1	292.1	103.9	252	14.4	1066.1	617.9				
188	11.1	303.2	111.0	253	12.7	1078.9	626.7				
189	10.8	314.0	117.7	254	11.7	1090.6	634.4				
190	9.5	323.4	123.2	255	14.0	1104.5	644.3				
191	7.5	330.9	126.7	256	14.3	1118.8	654.6				
192	8.0	338.9	130.7	257	13.3	1132.1	663.9				
193	9.8	348.7	136.5	258	10.6	1142.7	670.5				
194	10.5	359.3	143.1	259	7.6	1150.3	674.1				
195	10.5	369.7	149.5	260	8.9	1159.2	679.0				
196	10.8	380.5	156.3	261	13.2	1172.4	688.2				
197	10.8	391.3	163.1	262	14.2	1186.5	698.3				
198	11.0	402.3	170.1	263	14.5	1201.0	708.8				
199	11.2	413.6	177.4	264	15.0	1216.0	719.8				
200	11.4	424.9	184.7	265	14.6	1230.5	730.3				
201	11.1	436.0	191.8	266	14.7	1245.3	741.0				
202	9.8	445.8	197.6	267	12.9	1258.1	749.9				

STN 109 DEPTH 20M







ALBERTON PEI
46.83N 64.05W 1200Z 18/05/90 - 0400Z 26/09/90
INST. 64078

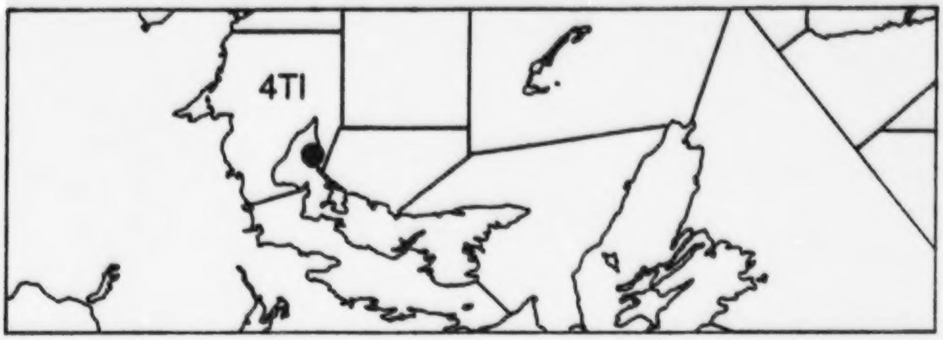
ALBERTON PEI

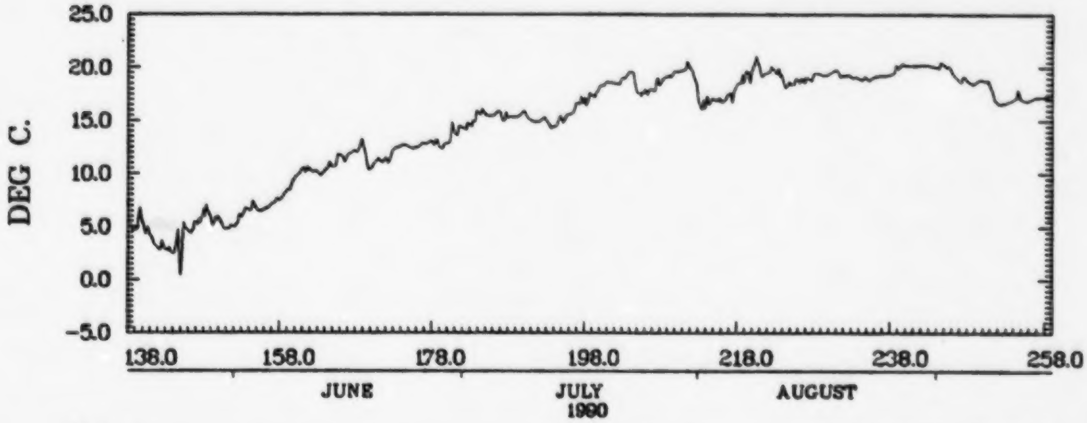
STA. 4TL 110

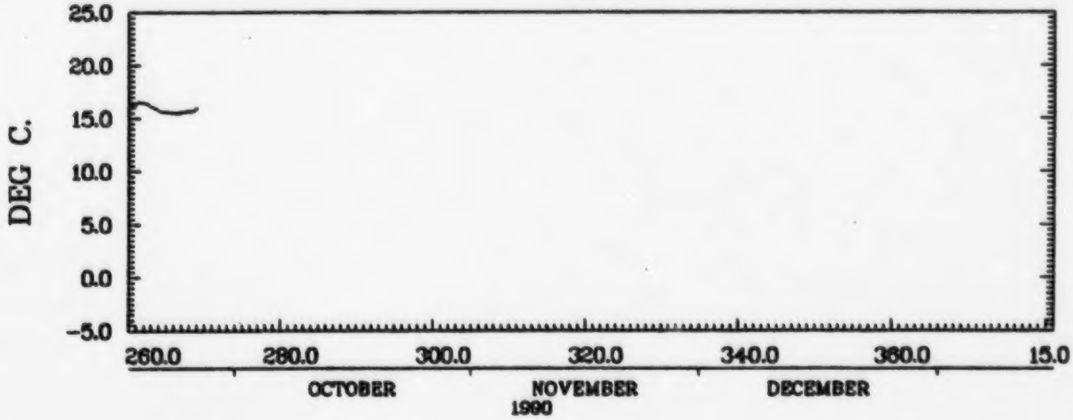
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
20.0M.	.0M.	46.83	64.05	18/ 5/ 90	26/ 9/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
138	4.9	4.9	.9
139	5.5	10.4	2.4
140	4.7	15.1	3.1
141	3.6	18.7	3.1
142	3.1	21.8	3.1
143	2.8	24.5	3.1
144	3.2	27.7	3.1
145	3.8	31.5	3.1
146	4.7	36.2	3.8
147	5.6	41.8	5.4
148	6.4	48.2	7.8
149	5.6	53.8	9.4
150	5.2	59.0	10.6
151	5.0	63.9	11.5
152	5.5	69.4	13.0
153	6.4	75.8	15.4
154	6.8	82.6	18.2
155	6.5	89.1	20.7
156	6.8	95.9	23.5
157	7.4	103.3	26.9
158	7.9	111.2	30.8
159	8.8	120.0	35.6
160	9.9	129.9	41.5
161	10.4	140.4	48.0
162	10.2	150.6	54.2
163	10.0	160.6	60.2
164	10.7	171.2	66.8
165	11.2	182.4	74.0
166	11.5	193.9	81.5
167	12.0	205.8	89.4
168	12.5	218.3	97.9
169	11.3	229.6	105.2
170	10.9	240.5	112.1
171	11.3	251.8	119.4
172	11.5	263.2	126.8
173	12.4	275.7	135.3
174	12.7	288.3	143.9
175	12.4	300.7	152.3
176	12.6	313.4	161.0
177	12.9	326.3	169.9
178	12.9	339.1	178.7
179	12.6	351.7	187.3
180	13.5	365.2	196.8
181	14.1	379.3	206.9
182	14.4	393.7	217.3
183	15.0	408.7	228.3
184	15.8	424.4	240.0
185	15.4	439.8	251.5
186	15.7	455.6	263.2
187	15.3	470.9	274.5
188	15.3	486.2	285.8
189	15.5	501.7	297.3
190	15.4	517.1	308.7
191	14.9	532.0	319.6
192	15.1	547.1	330.7
193	14.6	561.7	341.3
194	14.9	576.6	352.2
195	15.2	591.8	363.4
196	15.9	607.7	375.3
197	16.8	624.5	388.1
198	17.0	641.5	401.1
199	17.5	659.1	414.7
200	18.4	677.5	429.1
201	18.6	696.1	443.7
202	18.5	714.6	458.2
203	19.2	733.8	473.4
204	19.1	752.9	488.5
205	17.6	770.4	502.0
206	17.8	788.2	515.8
207	18.2	806.5	530.1
208	18.9	825.4	545.0
209	19.3	844.7	560.3
210	19.7	864.3	575.9
211	20.1	884.4	592.0
212	19.1	903.5	607.1
213	16.5	919.9	619.5
214	16.9	936.8	632.4
215	17.0	953.8	645.4
216	17.0	970.9	658.5
217	17.6	988.4	672.0
218	18.7	1007.1	686.7
219	19.3	1026.4	702.0
220	20.4	1046.9	718.5
221	19.4	1066.3	733.9
222	19.7	1086.0	749.6
223	19.5	1105.5	765.1
224	18.4	1123.9	779.5
225	18.6	1142.5	794.1
226	18.8	1161.3	808.9
227	18.9	1180.2	823.8
228	19.4	1199.6	839.2
229	19.3	1218.9	854.5
230	19.6	1238.5	870.1
231	19.4	1257.9	885.5
232	19.3	1277.2	900.8
233	19.1	1296.3	915.9
234	19.0	1315.3	930.9
235	19.0	1334.2	945.8
236	19.2	1353.4	961.0
237	19.3	1372.7	976.3
238	19.7	1392.4	992.0
239	20.2	1412.6	1008.2
240	20.2	1432.8	1024.4
241	20.2	1453.0	1040.6
242	20.2	1473.2	1056.8
243	20.1	1493.3	1072.9
244	20.2	1513.5	1089.1
245	20.1	1533.6	1105.2
246	19.2	1552.7	1120.3
247	18.9	1571.6	1135.2
248	18.6	1590.2	1149.8
249	18.8	1609.0	1164.6
250	18.7	1627.7	1179.3
251	17.4	1645.1	1192.7
252	16.6	1661.7	1205.3
253	16.8	1678.5	1218.1
254	17.3	1695.8	1231.4
255	16.9	1712.7	1244.3
256	17.1	1729.8	1257.4
257	17.2	1747.0	1270.6
258	17.2	1764.2	1283.8
259	16.6	1780.8	1296.4
260	16.2	1797.0	1308.6
261	16.5	1813.5	1321.1
262	16.4	1829.9	1333.5
263	16.0	1845.8	1345.4
264	15.7	1861.5	1357.1
265	15.6	1877.0	1368.7
266	15.5	1892.6	1380.2
267	15.6	1908.2	1391.8
268	15.7	1923.9	1403.5

STN 110 DEPTH 0M







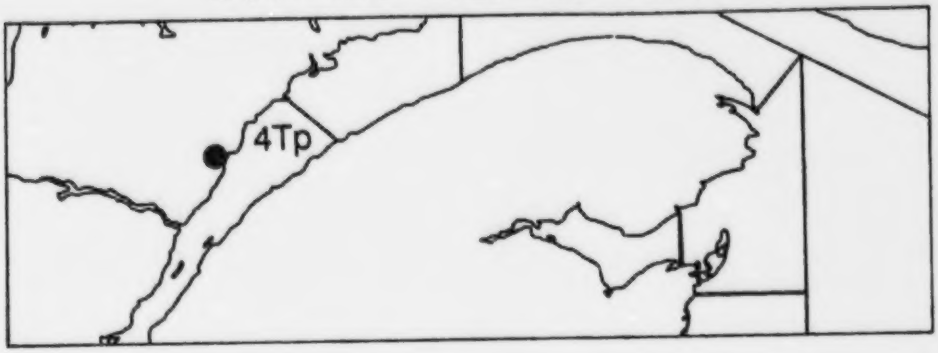
ALBERTON PEI
46.83N 64.05W 1200Z 18/05/90 - 0000Z 26/09/90
INST. 63813

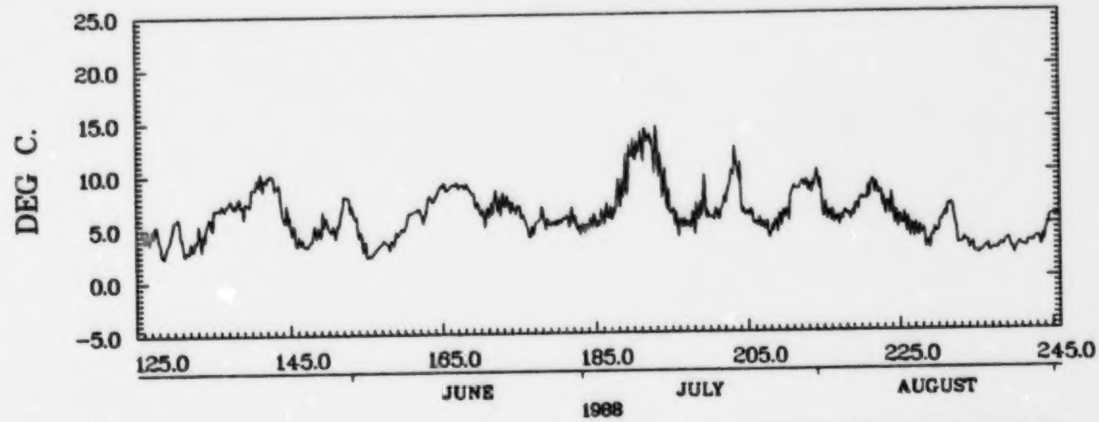
LES ESCOUMINS PQ STA. 4TP 123

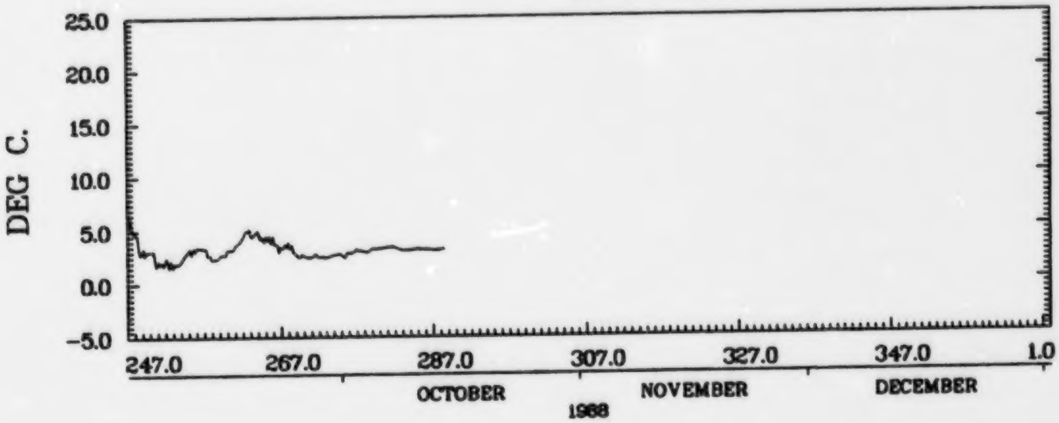
WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
10.0M.	10.0M.	48.53	69.70	4/ 5/ 88	14/10/ 88

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
125	4.8	4.8	.8	190	12.3	405.4	148.1	255	3.1	765.3	271.4
126	4.2	9.0	1.0	191	13.0	418.5	157.2	256	3.4	768.7	271.4
127	4.8	13.7	1.7	192	12.6	431.1	165.8	257	2.8	771.5	271.4
128	2.8	16.6	1.7	193	10.4	441.4	172.1	258	2.4	773.9	271.4
129	4.5	21.0	2.2	194	7.6	449.1	175.8	259	2.8	776.7	271.4
130	5.3	26.3	3.5	195	5.6	454.7	177.4	260	3.2	779.9	271.4
131	2.9	29.2	3.5	196	5.3	460.0	178.7	261	4.0	783.8	271.4
132	3.6	32.7	3.5	197	5.4	465.4	180.1	262	4.9	788.7	272.3
133	4.2	36.9	3.7	198	6.0	471.4	182.1	263	4.6	793.3	272.9
134	5.5	42.4	5.1	199	6.8	478.2	184.9	264	4.3	797.6	273.2
135	6.8	49.2	8.0	200	6.0	484.3	187.0	265	4.2	801.8	273.4
136	7.1	56.3	11.1	201	6.6	490.9	189.6	266	3.5	805.3	273.4
137	7.3	63.6	14.4	202	8.9	499.8	194.5	267	3.5	808.8	273.4
138	7.2	70.8	17.6	203	10.6	510.4	201.1	268	3.2	812.0	273.4
139	7.5	78.4	21.1	204	6.4	516.8	203.5	269	2.6	814.6	273.4
140	9.0	87.4	26.2	205	5.9	522.7	205.4	270	2.5	817.1	273.4
141	9.5	96.9	31.7	206	5.2	527.9	206.6	271	2.6	819.7	273.4
142	9.7	106.7	37.4	207	4.7	532.5	207.2	272	2.4	822.1	273.4
143	8.4	115.1	41.8	208	4.9	537.4	208.1	273	2.6	824.7	273.4
144	6.0	121.1	43.9	209	5.8	543.2	209.9	274	2.7	827.4	273.4
145	4.4	125.5	44.3	210	7.0	550.3	213.0	275	2.7	830.1	273.4
146	3.8	129.3	44.3	211	8.5	558.8	217.5	276	3.0	833.1	273.4
147	3.6	132.9	44.3	212	8.[illegible]	567.7	222.4	277	3.1	836.1	273.4
148	4.7	137.6	45.0	213	8.7	576.4	227.1	278	3.0	839.2	273.4
149	5.6	143.2	46.6	214	8.5	584.9	231.6	279	3.2	842.4	273.4
150	4.8	148.0	47.4	215	6.2	591.1	233.8	280	3.3	845.7	273.4
151	5.8	153.8	49.2	216	5.7	596.8	235.5	281	3.4	849.1	273.4
152	7.7	161.5	52.9	217	5.8	602.5	237.2	282	3.2	852.3	273.4
153	6.1	167.5	55.0	218	6.0	608.5	239.2	283	3.1	855.4	273.4
154	3.8	171.4	55.0	219	6.8	615.3	242.0	284	3.2	858.6	273.4
155	2.4	173.8	55.0	220	7.7	623.0	245.7	285	3.2	861.7	273.4
156	3.1	176.9	55.0	221	8.6	631.6	250.3	286	3.1	864.9	273.4
157	3.6	180.5	55.0	222	7.9	639.5	254.2	287	3.1	868.0	273.4
158	3.7	184.3	55.0	223	6.7	646.2	256.9	288	3.1	871.1	273.4
159	4.6	188.9	55.6	224	5.7	651.9	258.6				
160	5.9	194.8	57.5	225	5.2	657.1	259.8				
161	6.6	201.4	60.1	226	4.6	661.7	260.4				
162	6.2	207.6	62.3	227	4.4	666.2	260.8				
163	7.7	215.3	66.0	228	3.5	669.6	260.8				
164	8.5	223.8	70.5	229	4.1	673.8	261.0				
165	8.8	232.6	75.3	230	5.4	679.2	262.4				
166	9.0	241.6	80.3	231	6.6	685.8	265.0				
167	8.9	250.5	85.2	232	4.1	689.9	265.1				
168	8.6	259.1	89.8	233	3.4	693.3	265.1				
169	7.2	266.2	92.9	234	2.7	696.0	265.1				
170	6.2	272.4	95.1	235	2.3	698.3	265.1				
171	7.0	279.5	98.2	236	2.7	701.0	265.1				
172	7.1	286.6	101.3	237	2.6	703.6	265.1				
173	7.1	293.7	104.4	238	3.1	706.7	265.1				
174	6.8	300.5	107.2	239	2.9	709.7	265.1				
175	5.9	306.4	109.1	240	2.9	712.5	265.1				
176	4.5	311.0	109.7	241	3.0	715.5	265.1				
177	5.8	316.8	111.5	242	3.4	718.9	265.1				
178	5.6	322.3	113.0	243	3.4	722.3	265.1				
179	5.3	327.7	114.3	244	5.2	727.5	266.3				
180	5.6	333.3	116.0	245	5.7	733.2	268.0				
181	5.8	339.1	117.8	246	5.8	739.1	269.9				
182	5.1	344.2	118.9	247	5.6	744.6	271.4				
183	5.0	349.2	119.9	248	3.6	748.2	271.4				
184	5.5	354.7	121.4	249	3.0	751.2	271.4				
185	5.6	360.3	122.9	250	2.5	753.7	271.4				
186	6.2	366.5	125.2	251	2.0	755.7	271.4				
187	6.9	373.4	128.1	252	1.9	757.6	271.4				
188	8.5	382.0	132.7	253	1.9	759.5	271.4				
189	11.2	393.2	139.8	254	2.7	762.2	271.4				

STN 123 DEPTH 10M







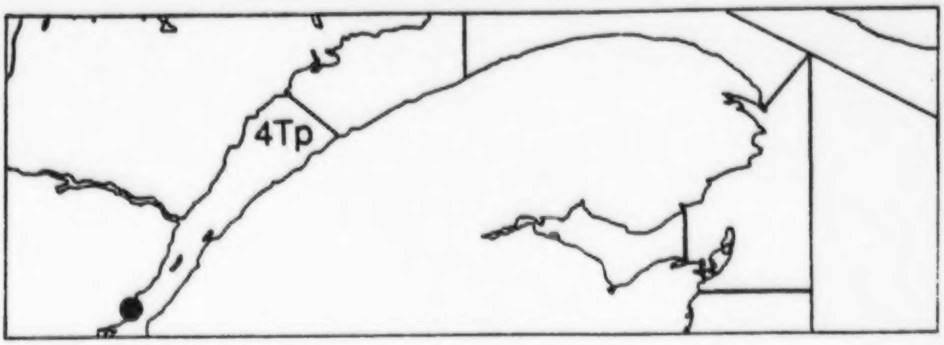
LES ESCOUMINS PQ (LAVAL)
48.53N 69.70W 1745Z 04/05/88 - 0945Z 14/10/88
INST. 63913

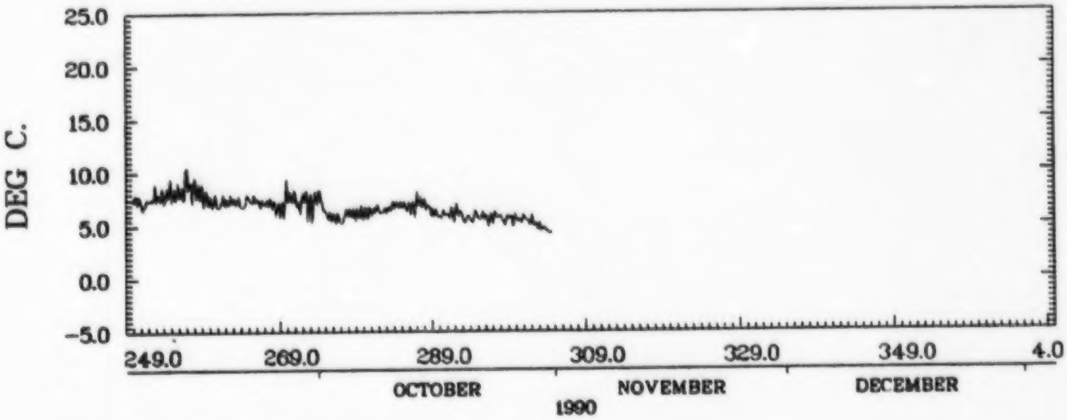
ST IRENE PQ (IML) STA. 4TP 124

WATER DEPTH	INST DEPTH	LATITUDE	LONGITUDE	FROM	TO
3.0M.	.0M.	47.60	70.20	6/ 9/ 90	31/10/ 90

DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)	DAY	MEAN TEMP	DEG DAY(0)	DEG DAY(4)
249	7.6	7.6	3.6								
250	7.6	15.1	7.1								
251	7.0	22.2	10.2								
252	7.7	29.9	13.9								
253	7.9	37.7	17.7								
254	8.1	45.9	21.9								
255	8.0	53.9	25.9								
256	8.2	62.1	30.1								
257	8.8	70.9	34.9								
258	8.2	79.1	39.1								
259	7.6	86.7	42.7								
260	7.4	94.1	46.1								
261	7.2	101.2	49.2								
262	7.3	108.5	52.5								
263	7.3	115.8	55.8								
264	7.2	123.0	59.0								
265	7.4	130.4	62.4								
266	7.2	137.6	65.6								
267	7.2	144.7	68.7								
268	6.9	151.6	71.6								
269	7.0	158.6	74.6								
270	7.6	166.3	78.3								
271	7.1	173.3	81.3								
272	7.3	180.7	84.7								
273	7.2	187.8	87.8								
274	7.3	195.2	91.2								
275	5.9	201.1	93.1								
276	5.8	206.8	94.8								
277	5.8	212.7	96.7								
278	6.1	218.8	98.8								
279	6.1	224.9	100.9								
280	6.2	231.2	103.2								
281	6.5	237.7	105.7								
282	6.4	244.0	108.0								
283	6.7	250.7	110.7								
284	6.9	257.6	113.6								
285	6.8	264.4	116.4								
286	6.7	271.1	119.1								
287	7.3	278.4	122.4								
288	6.7	285.1	125.1								
289	6.1	291.2	127.2								
290	6.0	297.1	129.1								
291	6.0	303.2	131.2								
292	6.3	309.5	133.5								
293	5.6	315.1	135.1								
294	5.7	320.8	136.8								
295	5.7	326.5	138.5								
296	5.6	332.1	140.1								
297	5.8	337.9	141.9								
298	5.5	343.4	143.4								
299	5.6	349.0	145.0								
300	5.5	354.5	146.5								
301	5.4	359.9	147.9								
302	5.1	365.0	149.0								
303	4.7	369.7	149.7								
304	4.3	374.0	150.0								

STN 124 DEPTH 0M





ST IRENE PQ (IML)
47.60N 70.20W 2000Z 06/09/90 - 1200Z 31/10/90
INST. 61526